

Bureau of Water

South Carolina Department of Health and Environmental Control

South Carolina Water Use Report 2011 Annual Summary



www.scdhec.net/water



South Carolina Water Use Report

2011 Summary

**South Carolina Department of Health and
Environmental Control**
2600 Bull Street
Columbia, SC 29201

Compiled by:
Alexander Butler, Hydrogeologist

Bureau of Water
David Wilson, Chief

Water Monitoring, Assessment, and Protection Division
Chuck Gorman, Director

Water Quantity Permitting Section
Robert Devlin, Manager

Technical Document Number: 08A7-12

Bureau of Water
August 2012

Definitions

Aquifer – A geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs. An alternate definition includes saturated material capable of providing economically viable amounts of water to wells or springs.

Aquaculture water use (water use category) – Water used for raising, farming and/or harvesting of organisms that live in water, such as fish, shrimp and other shellfish and vegetal matter (seaweed).

Consumptive water use – The amount of water withdrawn that is evaporated, transpired, incorporated into products or crops, consumed by humans or livestock, or otherwise removed from the immediate water environment.

Effluent (wastewater) – Water conveyed out of a wastewater treatment facility or other works used for the purpose of treating, stabilizing, or holding wastewater. Effluent is often highly treated and is an excellent option for reuse of wastewater for irrigation.

Evapotranspiration – Collective term, including water discharged to the atmosphere as a result of evaporation from the soil and surface-water bodies and plant transpiration.

Fall Line – The geologic and physiographic surface boundary separating the sedimentary deposits of the Coastal Plain from the metamorphic and igneous rocks of the Piedmont.

Farm – Any operation from which \$1000.00 or more of agricultural products were sold or normally would be sold during the year.

Golf course irrigation (water use category) – Water applied to maintain golf course turf, including tee boxes, fairways, putting greens, associated practice areas and periphery aesthetic landscaping.

Groundwater – Generally, all subsurface water as distinct from surface water; specifically, that part of the subsurface water in the saturated zone.

Hydroelectric water use (water use category) – Water used in generating electricity where turbine generators are driven by falling water.

Industrial water use (water use category) – Water used for commercial and industrial purposes, including fabrication, processing, washing, in-plant conveyance and cooling.

Irrigated acreage – Acreage capable of being irrigated, with regard to availability of water, suitable soils and topography of land.

Irrigation water use (water use category) – Water that is used for agricultural and landscaping purposes including turf farming and livestock management.

Mining water use (water use category) – Water that is used for in conjunction with surface or subsurface mining of minerals or natural materials

Other use (water use category) – Any use of surface water or groundwater not specifically identified in any of the other categories.

Reclaimed water – Wastewater treatment plant effluent that has been diverted, intercepted, or otherwise conveyed for use before it reaches a natural waterway or aquifer.

Surface water – Water flowing or stored on the earth's surface such as a stream, lake, or reservoir.

Thermoelectric water use (water use category) – Water used in generating electricity from fossil fuel (coal, oil, natural gas), geothermal, biomass, solid waste, or nuclear energy.

Water supply (water use category) – Water withdrawn by public and private water suppliers and conveyed to users or groups of users. Water suppliers provide water for a variety of uses including domestic, commercial, industrial and public water use.

Water usage rates – As utilized in this report, measurements to quantitatively represent volumetric withdrawals per unit of time; as in gallons per minute (gpm), gallons per day (gpd) and gallons per year (gpy). Unless otherwise stated, figures in this report are presented in millions of gallons per year.

Water use – Generally, water that is used for a specific purpose (i.e., domestic use, industrial, etc.). Broadly, human interaction with and influence on the hydrologic cycle, and includes water withdrawal, distribution, consumptive use, wastewater collection and return flow.

Withdrawal – The removal of surface water or groundwater from its current setting in the natural hydrologic system for use, including, but not limited to, water supply, industrial use, commercial use, domestic use, irrigation, livestock, power generation

Forward

The South Carolina Department of Health and Environmental Control (DHEC) is committed to the responsible management of South Carolina's water resources by encouraging continued conservation and reasonable use to ensure a sustainable supply for present and future demands. The South Carolina *Surface Water Withdrawal and Reporting Act*, §49-4-10 et. seq., and the South Carolina *Groundwater Use and Reporting Act*, §49-5-10 et. seq., require water users that withdraw three (3) million gallons or greater in any month to register with and report that use annually to the Water Use Program at DHEC.

Water Use data is used by the State of South Carolina to better define the distribution and demand for our surface and groundwater resources across the state. Data from the Water Use Program at DHEC is shared between other local, state, and federal regulatory and scientific agencies to establish a common understanding of the demands placed upon our water resources. This common database has proven critical in water management decisions and water use conflict resolution.

Statistics utilized in this report represent data obtained from users registered with the Water Use Program. Consumptive use from private domestic wells, small surface water irrigation intakes, facilities that do not meet the reporting threshold, or data from facilities failing to report their annual water use are not included in this annual summary. For the year 2011, compliance of reporting sources exceeded 99%.

If you have questions about this or previous Annual Water Use Reports, or would like to obtain further information about reported water withdrawals in South Carolina, please contact:

**Water Use Program
SCDHEC Bureau of Water
2600 Bull Street
Columbia, SC 29201
www.scdhec.net/water**

DEFINITIONS	3
FORWARD	5
INTRODUCTION	7
PURPOSE AND METHODOLOGY	7
SOUTH CAROLINA CLIMATE	8
GEOGRAPHY AND PHYSIOGRAPHY	9
GROUNDWATER RESOURCES	11
SURFACE WATER RESOURCES	13
SURFACE AND GROUNDWATER USE SUMMARY BY SOURCE, CATEGORY AND COUNTY IN SOUTH CAROLINA, 2011	15
WATER USE CATEGORIES	23
APPENDIX A: SURFACE AND GROUNDWATER USE SUMMARY TABLE	41

Introduction

South Carolinians have historically enjoyed an available fresh water supply that is clean, abundant, and easily attainable. Growth and development in the state have placed increasing demand on our water supplies. With limited and sporadic rainfall events, groundwater systems and surface water bodies under continuous natural discharge and, in recent years, human use (pumpage) showed steady and, at times, drastic water level declines with numerous waterways reaching record low flow conditions. Due to the low flow conditions, excursions of saltwater inland along coastal waterways threatened some surface water intakes. Some homeowners that rely on shallow water wells have been forced to drill deeper wells or seek alternate sources of water supply.

In conjunction with natural conditions, the continued impact to groundwater systems through human induced contamination (physical and chemical) or natural impact demonstrate the vulnerability of this finite resource and the continuing need to closely monitor, manage and preserve the resource in South Carolina for current and future generations. The state General Assembly declared that,

“...the groundwater resources of the State be put to beneficial use to the fullest extent to which they [are] capable and to provide and maintain conditions which are conducive to the development and use of all water resources.”⁷

Consistent and accurate data collection is requisite in establishing water use trends and implementing reasonable management strategies. Water use reporting outside of designated Capacity Use Areas has been historically voluntary. As of January 1, 2001, anyone withdrawing groundwater or surface water in excess of three (3) million gallons per month (in any month) must register and report that use annually to the South Carolina Department of Health and Environmental Control (Department). Registration and reporting is now a requirement of law and the Department has authority to take enforcement action against those not reporting.

Purpose and Methodology

The purpose of the annual South Carolina Water Use Report is to summarily present reported water use in South Carolina by county and use category during calendar year 2011. The Department maintains and continually updates the water use and facility databases utilized in this report. Water use data were collected by annual reporting of water use by registered users, as required and mandated by state law, and reported in millions of gallons unless stated otherwise.

South Carolina Climate

The climate in South Carolina is affected by many factors, notably its location in the mid-latitudes and its proximity to the Appalachian Mountains and the Atlantic Ocean. During the summer, ocean current-driven air masses such as the Bermuda High routinely push tropical air from the Gulf of Florida upland from the coast. These warm, moist currents collide with cooler, drier air masses to generate rainfall, and at times, severe thunderstorms. In contrast, the Appalachian region in the northwest portion of the state experiences cooler temperatures, owing in part to upward lifting of air masses and subsequent cooling effect provided by the increase in altitude. Altitude change also causes the additional phenomenon of down-slope heating as air masses from the mountains settle and compress over the eastern Blue Ridge and Piedmont region. During the winter months, the highlands of the Blue Ridge escarpment deflect northerly cold air to the southwest, often lessening the impact of major cold fronts and winter storms.

The vast majority of the state is classified as humid subtropical except in the Blue Ridge physiographic province, where it is humid continental. Average temperature varies from the mid-50s °F in the mountains to low-60s °F along the coast. The average annual precipitation is approximately 48 inches, with an annual total in the mountains of 70 to 80 inches, an annual total in the Midlands of 42 to 47 inches and an annual total along the coast of 50 to 52 inches. According to the South Carolina State Climatology Office, no month in South Carolina averages less than two inches of precipitation, regardless of location within the state. Measurable snowfall is rare, occurring one to three times a year with accumulations seldom remaining more than a day or two. In 2011 the average statewide temperature was 63.9°F. The average rainfall for 2011 was below normal at 37.95 inches¹.

¹ Southeast Regional Climate Center, 1885-2010, "Monthly and Seasonal Climate Information"

Geography and Physiography

South Carolina has a distinct natural beauty and an ecological diversity covering nearly 31,189 square miles, with approximately 30,111 square miles land area, 1,078 square miles inland or coastal waterways and 135 miles of coastline. The diversity we experience is resultant of climatic conditions, geology and three major physiographic regions: the Blue Ridge, the Piedmont and the Coastal Plain (**Figure 1**). The physiographic regions exhibit variations in topography, geology, hydrology and vegetation that directly affect the quantity, quality and availability of water resources in South Carolina.

Blue Ridge

The Blue Ridge physiographic province is located in the extreme northwest portion of Oconee and Pickens counties, and is distinguished from other parts of South Carolina by greater elevations (1,000 – 3,300 feet) and surface relief. Dissected mountains, rugged hills and thick forest regions characterize the land surface. Surface water in the Blue Ridge takes the form of high gradient creeks and streams and natural or man-made lakes, while groundwater occurs in the fractures of the bedrock and a thin veneer of soil and saprolite overlying the bedrock. In general, water quality of streams and groundwater is excellent in the Blue Ridge owing to the constant replenishment from abundant local rainfall.

Piedmont

The Piedmont physiographic province includes all counties, or portions of counties, northwest of and to the Fall Line, exclusive of those counties within the Blue Ridge province. Although similar to the Blue Ridge, the region demonstrates lower topographic relief, and therefore lower gradient streams, while elevations range from between 450 to 1000 feet above sea level. Counties in the Piedmont and Blue Ridge physiographic provinces depend primarily on the abundant regional rainfall that recharges lakes, reservoirs and major river systems. These surface water bodies constitute the primary source of water for public supply, industry, agriculture, and power production in the Piedmont Region. Similar to the Blue Ridge Province, groundwater occurs in the fractures of the bedrock and overlying soil and saprolite, and is also of good quality, except in locations where man has impacted its chemical quality.

Coastal Plain

The Coastal Plain physiographic province includes all counties, or portions of counties, extending from the Fall Line east to the Atlantic Ocean. Elevations of the exposed Coastal Plain range between 450 feet to sea level. Once below the Fall Line, rivers and streams assume a different character than those found in the Piedmont. Where streams once rolled across exposed Piedmont rocks and tumbled down the occasional stretch of whitewater, the Coastal Plain streams have a slower pace with quiet meandering river channels with adjacent wetlands common. Regional geology of the Coastal Plain is characterized by aquifers developed in layers of sands, silts, or high-permeability limestone confined by units of clay and silts or low-permeability limestone. The vast majority of South Carolina's water resources are contained as groundwater in the Coastal Plain, and in general, reliance on groundwater for irrigation, industrial uses, and public water supply increases dramatically east of the Fall Line. A generalized cross-section for the Coastal Plain aquifers is presented as **Figure 2**, and a brief outline of the major aquifers in South Carolina follows.

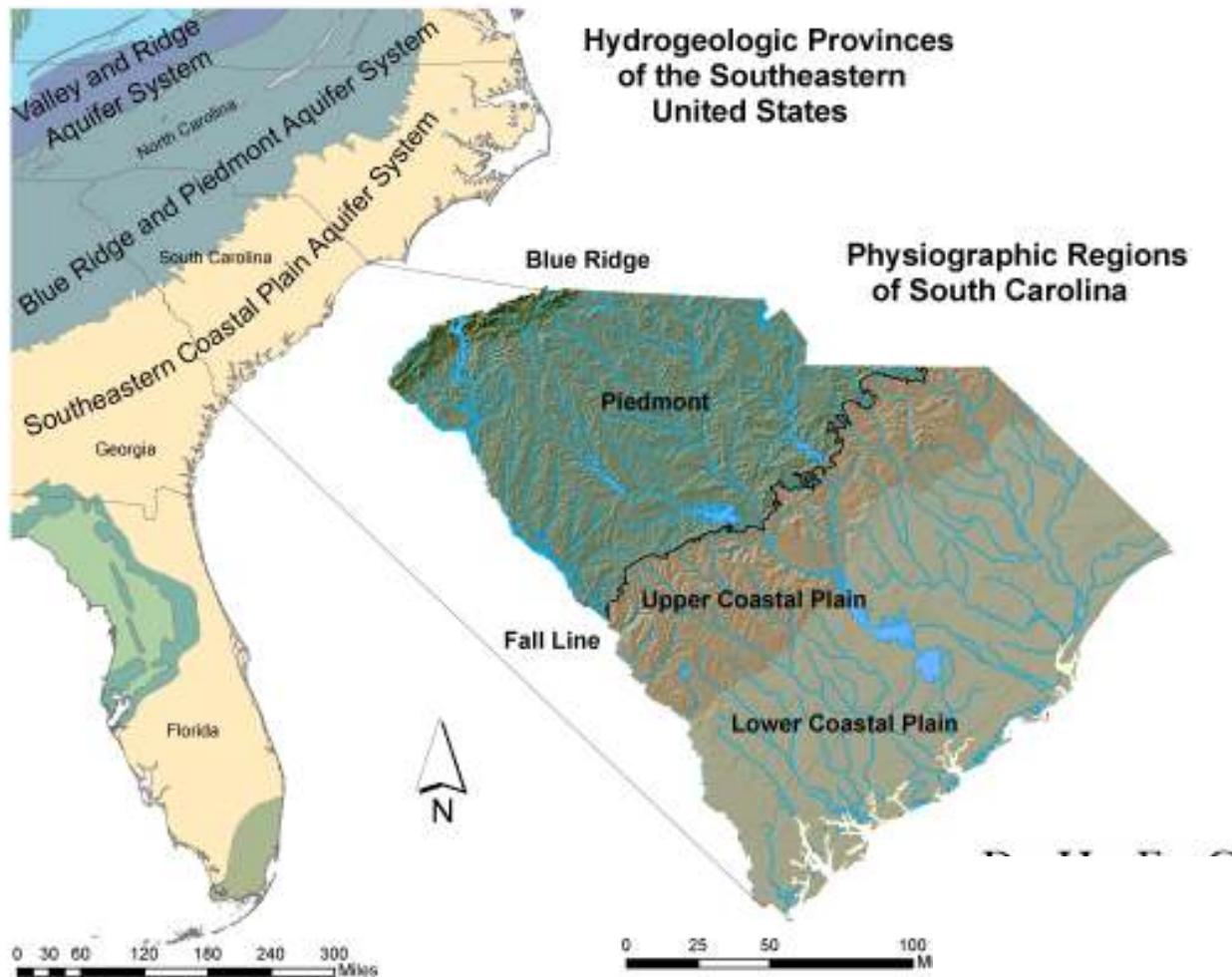


Figure 1: Hydrogeologic and Physiographic Setting for Water Use in South Carolina

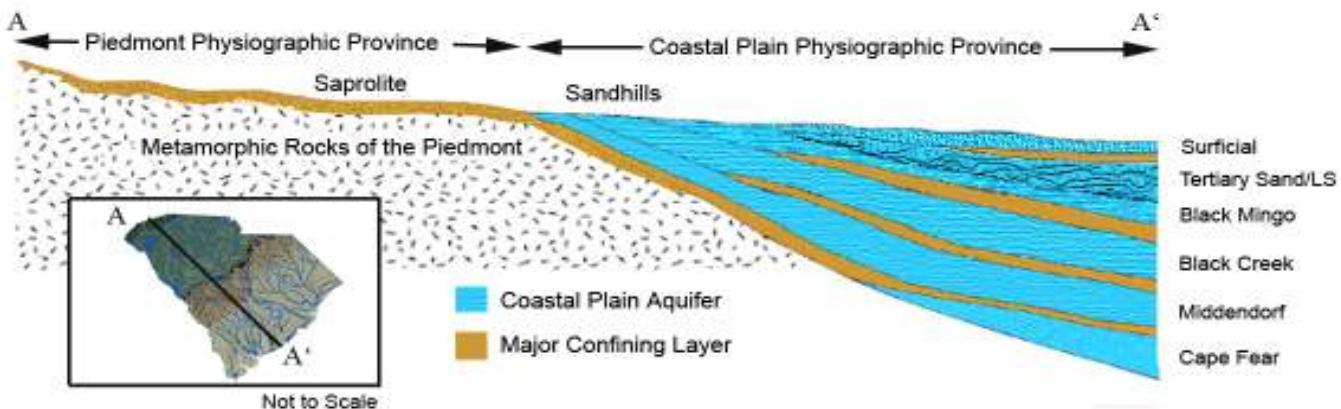


Figure 2: Generalized Hydrogeologic Cross-Section from the Blue Ridge through the Lower Coastal Plain in South Carolina

Groundwater Resources

Groundwater resources are found throughout the subsurface of South Carolina in varying quantities, qualities, and depths that reflect the nature of the geologic materials that host the respective aquifers. The following is a brief description of the State's major groundwater resources.

Crystalline Rock Aquifer System of the Blue Ridge and Piedmont

Geology of the Blue Ridge is typically characterized by clayey saprolite, ranging in depth from several feet to tens of feet, overlying metamorphic crystalline rock. The saprolite grades downward through a highly permeable transition zone to unaltered parent bedrock. Groundwater conditions of the bedrock are dependent on the number of fractures and degree of interconnection of the fracture systems. Groundwater moves slowly through the saprolite and discharges to surface water bodies, wells, or is released from storage to the underlying bedrock through fractures. Geology of the Piedmont is similar to that of the Blue Ridge, but the diminished relief allows for greater thickness of saprolite development. In general, wells in the Blue Ridge and Piedmont regions yield little water when compared to wells drilled in the Coastal Plain owing to the inherently low porosity and permeability of the crystalline rock present in the upstate.

Surficial Aquifer System

Shallow sands that comprise the Surficial aquifer are among the youngest of the Coastal Plain sediments and are found exclusively in the Lower Coastal Plain (**Figure 1**). This system is capable of producing water in modest amounts for irrigation and private drinking water supply, but is susceptible to contamination due to its shallow, unconfined nature. The Surficial sands are highly influenced by local precipitation and river stage and are prone to dramatic water level declines during times of drought.

Tertiary Limestone/Sand Aquifer System (Floridan Aquifer System)

In the southern half of the Coastal Plain, Tertiary aquifers consisting of sand grade southeastward into an ever thickening wedge of limestone. Development of the aquifer system is common in the Charleston, Dorchester, and Berkeley County area. Southwest of the Combahee and Salkehatchie Rivers, upper sections of the limestone become increasingly permeable owing to abundant voids created from dissolved marine fossils, and are capable of storing and supplying tremendous amounts of water. The upper, highly permeable zone is the most developed, supplying the majority of residential wells in Beaufort and Jasper Counties, and is the primary source of water for public supply, irrigation, and industry in the Low Country. This southern section of the Tertiary Limestone correlates regionally with the Upper Floridan Aquifer that extends from southern South Carolina to the southern keys of Florida.

Black Mingo Aquifer

Development of the Black Mingo is common in the vicinity of Charleston, Dorchester, and Berkeley counties, but has been largely overlooked south of Dorchester County owing to the increasingly prolific nature of the more shallow Tertiary Limestone (Floridan Aquifer System). Like the majority of Coastal Plain sediments, the nature of the aquifer differs dramatically from one area to the next. In the Charleston area, the aquifer is composed of permeable sand and limestone, while within the Upper Coastal Plain the Black Mingo is often a poorly producing aquifer composed of fine silt and clay, and therefore is unused in favor of the Middendorf or Tertiary Sand Aquifer.

Pee Dee Aquifer

The Pee Dee aquifer, where present, generally produces quality water at moderate rates. The aquifer matrix is composed of sand and silt separated by discontinuous intervals of clay. Development of the Pee Dee aquifer usually takes place in conjunction with the more prolific Black Creek aquifer and has become an excellent alternative to the often-overburdened Black Creek for many uses, especially irrigation. The Pee Dee aquifer is most utilized in the northeast portion of the State, with the most demand centered between Florence and Horry Counties.

Black Creek Aquifer

Though present throughout much of the Coastal Plain, development of the Black Creek aquifer has been conducted primarily in the mid-to-northern portions of the Coastal Plain. The aquifer is composed of silt and fine sand with coarse sand in the Upper Coastal Plain. The Black Creek aquifer is an important source of water for public supply, irrigation, and industry from Marion County southeast to Georgetown County.

Middendorf Aquifer

The Middendorf Aquifer is a prolific source of water throughout the majority of the coastal plain and consists of coarse-grained fluvial sands near the Fall Line that grade to fine-grained marine sands and clay in the northern and eastern Lower Coastal Plain. The majority of the Pee Dee region, including Chesterfield, Darlington, Florence, and Marlboro Counties, as well as Orangeburg and Sumter Counties rely heavily on the Middendorf for irrigation, public supply, and industrial use. In the past decade, use of the Middendorf has increased along the southern coast in areas such as Charleston County.

Cape Fear Aquifer

Little information exists from this deep sand aquifer owing to the few wells that have penetrated the formation. In general, water quality from the Cape Fear aquifer is poor over much of its extent owing to ancient, unflushed seawater and extensive mineralization. In South Carolina, the Cape Fear aquifer is largely unused.

Surface Water Resources

South Carolina's land surface is drained by eight (8) major river basins, all of which are critical to public water supply, irrigation, industry, and/or power generation. These major watersheds are shown as **Figure 3**, and a brief description of each major watershed follows.

Broad River Basin

The Broad River Watershed encompasses portions of North and South Carolina and drains the majority of Cherokee, Union, Spartanburg, and Greenville Counties. Portions of Chester, Fairfield, Richland and York counties are also included in the basin, and are drained by the Enoree, Pacolet, and Tyger Rivers, major tributary streams to the Broad River.

Catawba River Basin

Similar to the Broad River Basin, the watershed of the Catawba River drains counties in North and South Carolina east of a hydrologic divide in York, Chester, and Fairfield Counties. All or portions of the following counties lie within the basin: Chester, Fairfield, Kershaw, Lancaster, Richland, Sumter and York. The Catawba basin hosts Lake Wylie, Fishing Creek Reservoir, Lake Wateree, the Catawba and Wateree Rivers and associated tributary streams.

Edisto River Basin

The Edisto River Basin encompasses nearly all of Orangeburg County and portions of Aiken, Berkeley, Calhoun, Dorchester, and Lexington counties. The basin drains the central Coastal Plain and contains the North and South Forks of the Edisto River and tributaries, as well as numerous ecologically important wetland areas.

Pee Dee River Basin

The Pee Dee River Basin is the largest of South Carolina's watersheds and drains all or portions of Chesterfield, Darlington, Dillon, Georgetown, Horry, Kershaw, Lancaster, Lee, Marion, Marlboro, Williamsburg counties, and portions of southeastern North Carolina. The Greater Pee Dee Watershed encompasses 5.1 million acres and includes the Pee Dee, Lynches, Waccamaw, and Sampit watersheds, as well as the Intracoastal Waterway and Winyah Bay.

Salkehatchie River Basin

The Salkehatchie basin is located entirely in the Coastal Plain and drains portions of Bamberg, Barnwell, Beaufort, Colleton, Hampton, and Jasper counties. The Coosawhatchie, Salkehatchie and Little Salkehatchie Rivers, along with their associated tributaries and local wetlands drain the basin and form tide-dominated distributary channels near the coast.

Saluda River Basin

The Saluda River Basin drains the central portion of South Carolina's Piedmont Region and encompasses major portions of Greenville and Pickens counties, as well as portions of Abbeville, Greenwood, Laurens, Lexington, Richland, and Saluda Counties. The basin includes all tributary streams to the Saluda River and Lakes Greenwood and Murray, the latter being a critical source for public water supply and hydroelectric power in central South Carolina.

Santee River Basin

The Santee River basin originates near the confluence of the Congeree and Wateree Rivers and includes two of the State's largest reservoirs, Lake Marion and Lake Moultrie. These two major surface water resources are important power generating assets for the South Carolina. The basin drains Berkeley, Calhoun, Charleston, Clarendon, Dorchester, and small portions of Georgetown and Sumter Counties via tributaries of the Cooper, Santee and Ashley Rivers.

Savannah River Basin

The Savannah River Basin stretches from the Blue Ridge to the Atlantic Ocean and encompasses the border counties of South Carolina. The watershed drains major portions of Abbeville, Aiken, Allendale, Anderson, Edgefield, Greenwood, Hapton, McCormick, Oconee, and Pickens County, as well as adjacent counties in Georgia. The watershed includes the Savannah, Chatoga, Seneca, Little River, Stevens Creek, Rocky, and Tugaloo Rivers, and discharges approximately 8.0 billion gallons per day.



Figure 3: Major River Basins of South Carolina

Surface and Groundwater Use Summary by Source, Category and County in South Carolina, 2011

The following section outlines all reported water use for the State of South Carolina for the calendar year 2011. Water use is summarized by category, (Appendix A). Where appropriate, the spatial distribution of the magnitude of water use is demonstrated on an accompanying map with a breakdown chart of groundwater and surface water use as a percentage of total use for the category.

Reporting Water Withdrawers

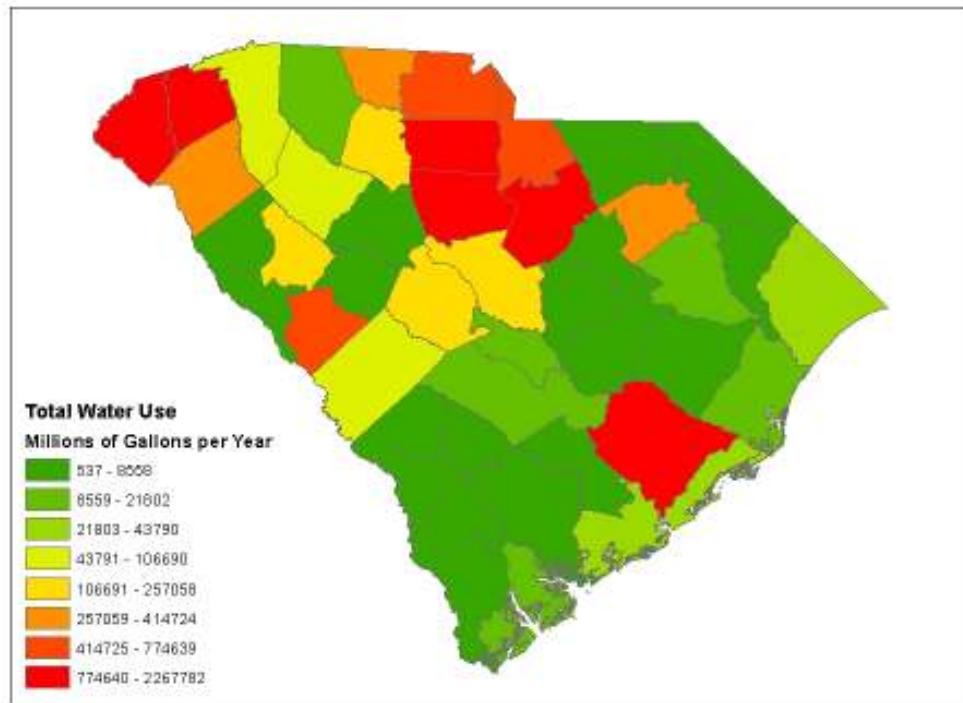
For the reporting year 2011, South Carolina had 875 water withdrawers with 2701 sources; 740 surface water sources and 1961 groundwater sources.

<i>Water Use Category</i>	<i>Facilities</i>	<i>Groundwater Sources</i>	<i>Surface Water Sources</i>
<i>Aquaculture</i>	4	8	3
<i>Golf Course</i>	250	253	269
<i>Hydroelectric</i>	29	1	30
<i>Industrial</i>	90	248	50
<i>Irrigation</i>	237	611	267
<i>Mining</i>	14	7	12
<i>Other</i>	6	24	1
<i>Thermoelectric</i>	19	15	22
<i>Water Supply</i>	226	789	79

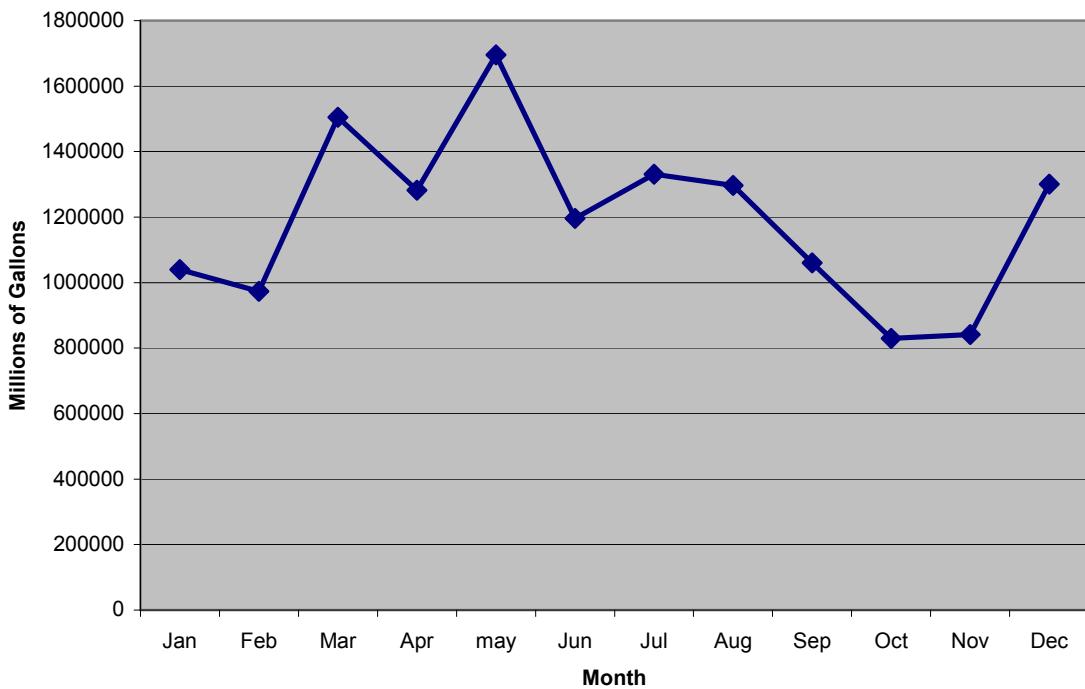
Total Reported Water Use

Total water use reported for 2011 was more than 14.32 trillion gallons from 875 reporting facilities. Surface water use accounted for approximately 14.24 trillion gallons, approximately 99.5% of total water use. Groundwater withdrawal accounted for approximately 78.42 billion gallons or approximately 0.5%.

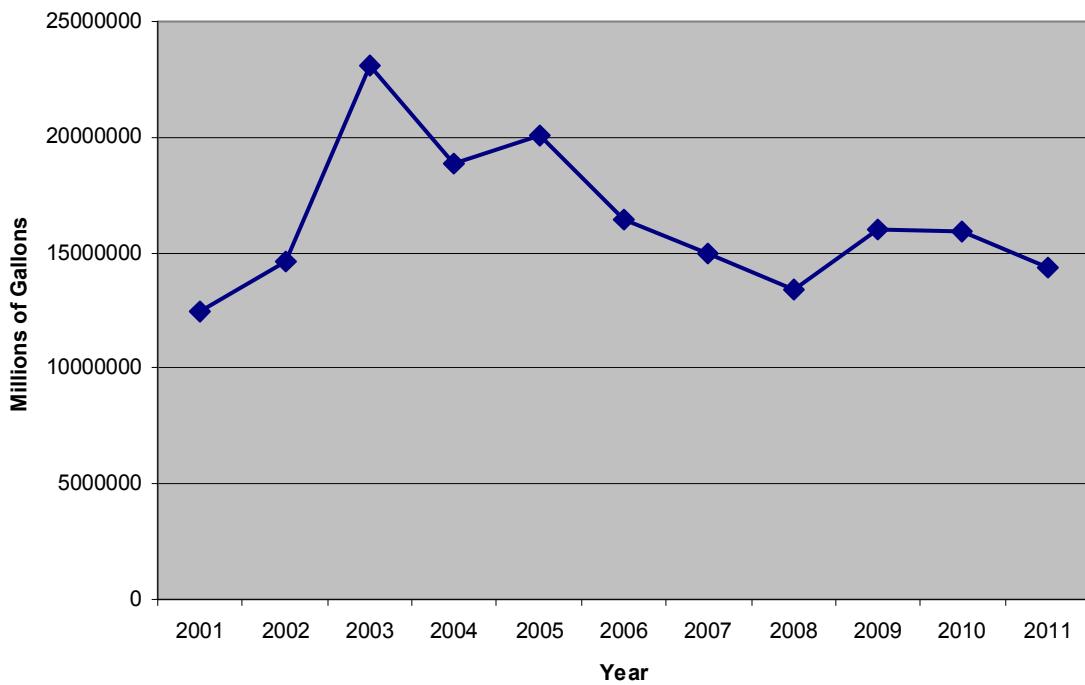
<i>Water Use Category</i>	<i>Surface Water</i>	<i>Percentage</i>	<i>Groundwater</i>	<i>Percentage</i>	<i>Total</i>	<i>Percentage</i>
<i>Aquaculture</i>	359.03	0.00%	32.07	0.04%	391.10	0.00%
<i>Golf Course</i>	10,884.97	0.08%	4,240.23	5.41%	15,125.20	0.11%
<i>Hydroelectric</i>	10,681,125.17	74.99%	0.88	0.00%	10,681,126.05	74.58%
<i>Industrial</i>	122,575.59	0.86%	7,905.79	10.08%	130,481.38	0.91%
<i>Irrigation</i>	12,006.82	0.08%	22,041.01	28.10%	34,047.83	0.24%
<i>Mining</i>	819.66	0.01%	4,084.22	5.21%	4,903.88	0.03%
<i>Other</i>	0.00	0.00%	108.83	0.14%	108.83	0.00%
<i>Thermoelectric</i>	3,232,611.88	22.70%	1,818.79	2.32%	3,234,430.67	22.59%
<i>Water Supply</i>	182,105.25	1.28%	39,387.49	50.22%	221,492.74	1.55%
<i>Total</i>	14,242,488.37	100.00%	78,425.78	100.00%	14,320,914.15	100.00%



Monthly Total Water Use 2011

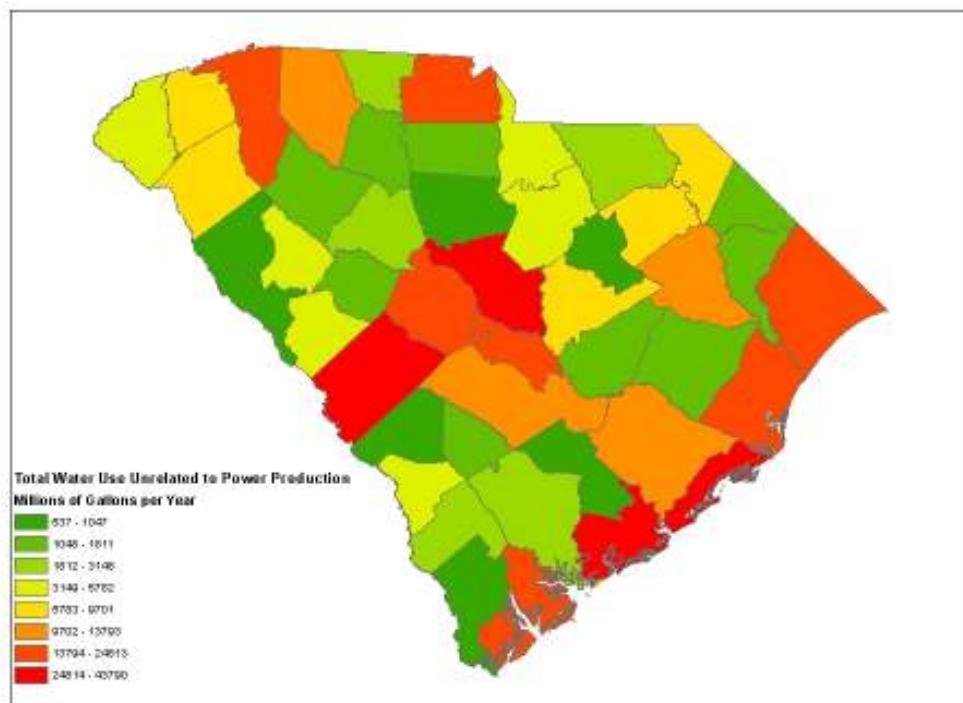


Total Yearly Water Use

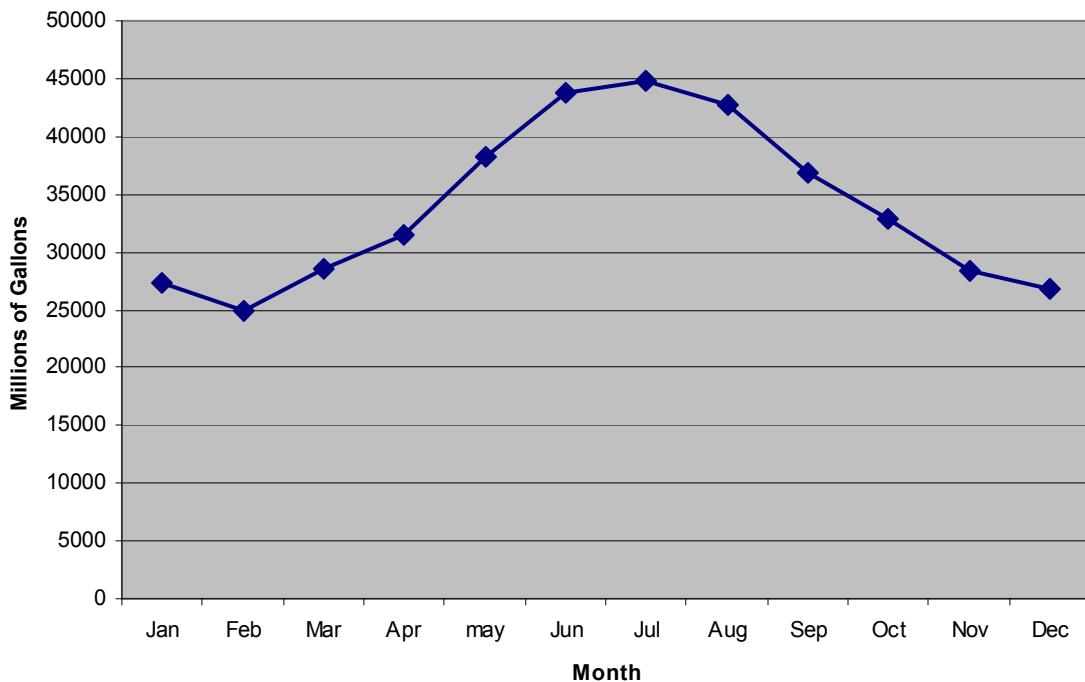


Total Water Use Unrelated to Power Production

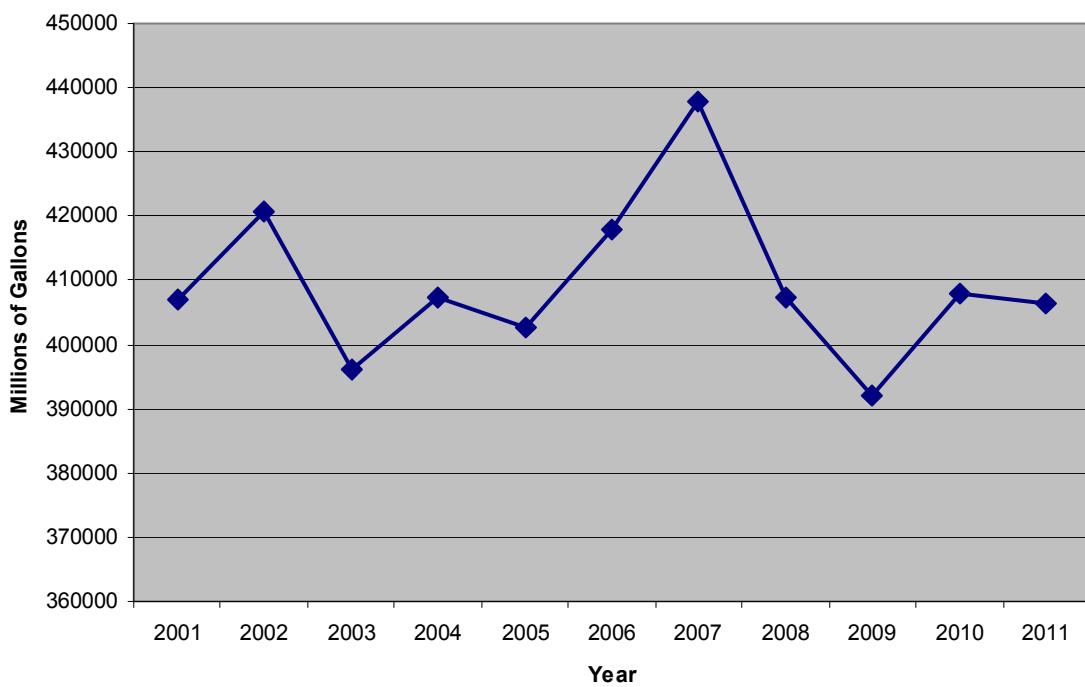
<i>Water Use Category</i>	<i>Surface Water</i>	<i>Percentage</i>	<i>Groundwater</i>	<i>Percentage</i>	<i>Total</i>	<i>Percentage</i>
<i>Aquaculture</i>	359.03	0.11%	32.07	0.04%	391.10	0.10%
<i>Golf Course</i>	10,884.97	3.31%	4,240.23	5.41%	15,125.20	3.71%
<i>Industrial</i>	122,575.59	37.29%	7,905.79	10.08%	130,481.38	32.05%
<i>Irrigation</i>	12,006.82	3.65%	22,041.01	28.10%	34,047.83	8.36%
<i>Mining</i>	819.66	0.25%	4,084.22	5.21%	4,903.88	1.20%
<i>Other</i>	0.00	0.00%	108.83	0.14%	108.83	0.03%
<i>Water Supply</i>	182,105.25	55.39%	39,387.49	50.22%	221,492.74	54.40%
<i>Total</i>	328,751.32	100.00%	78,425.78	100.00%	407,177.10	100.00%



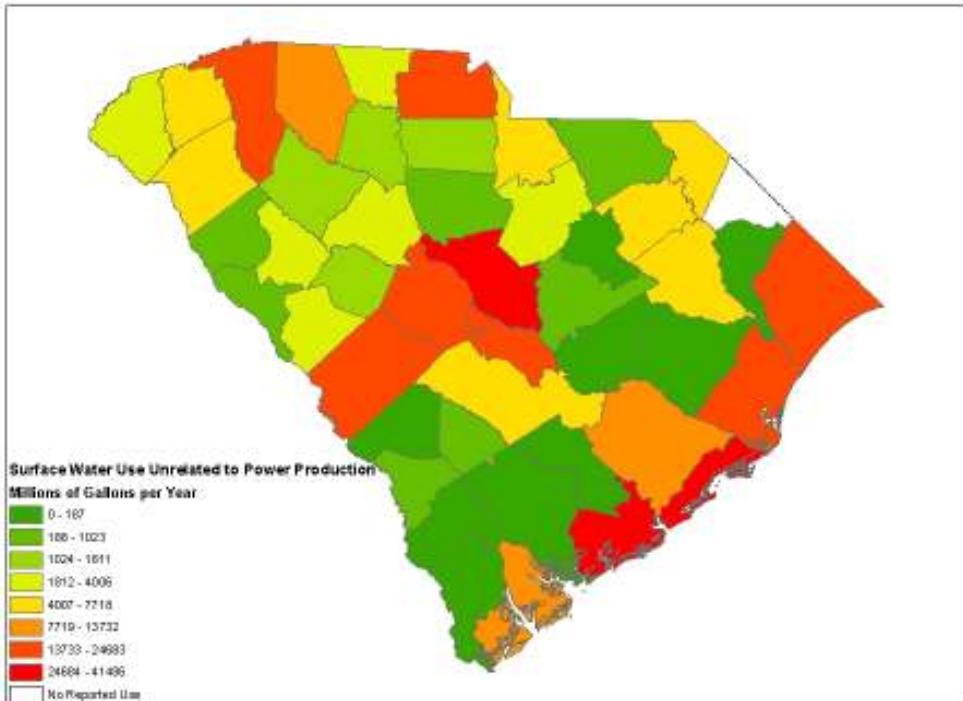
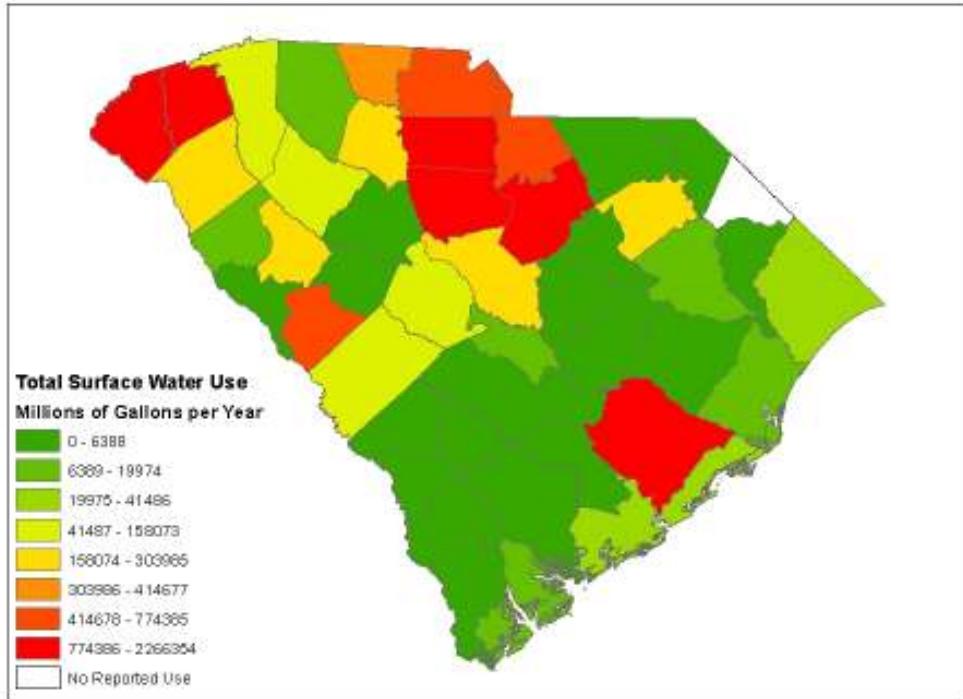
Total Monthly Water Use Unrelated to Power Production 2011



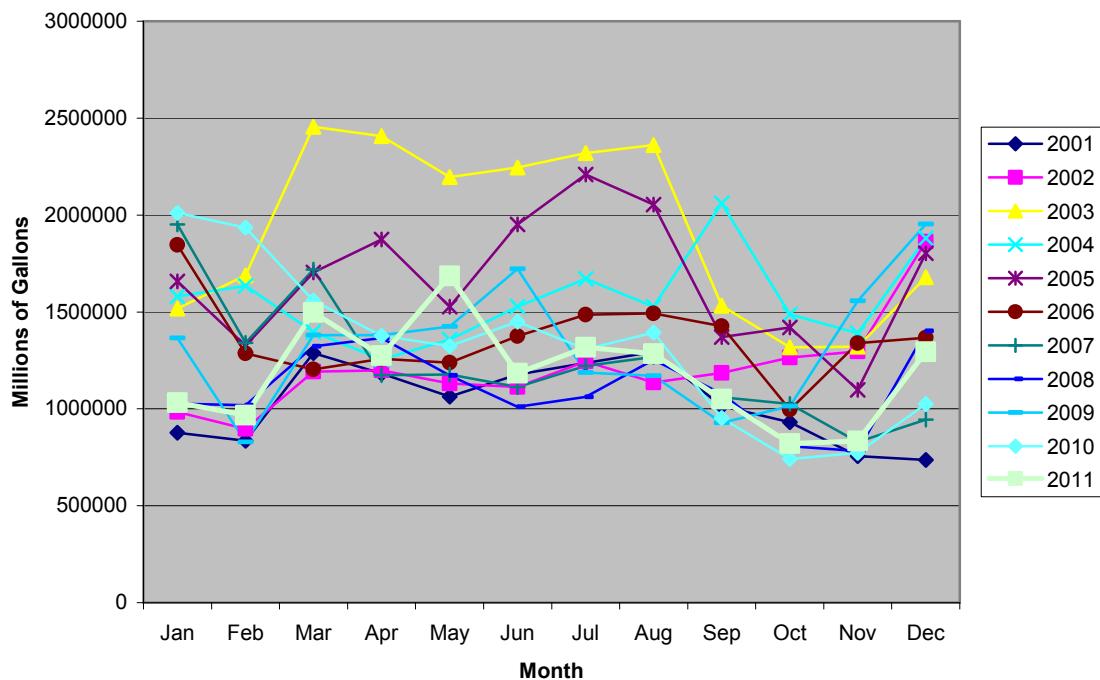
Yearly Total Water Use Unrelated to Power Production



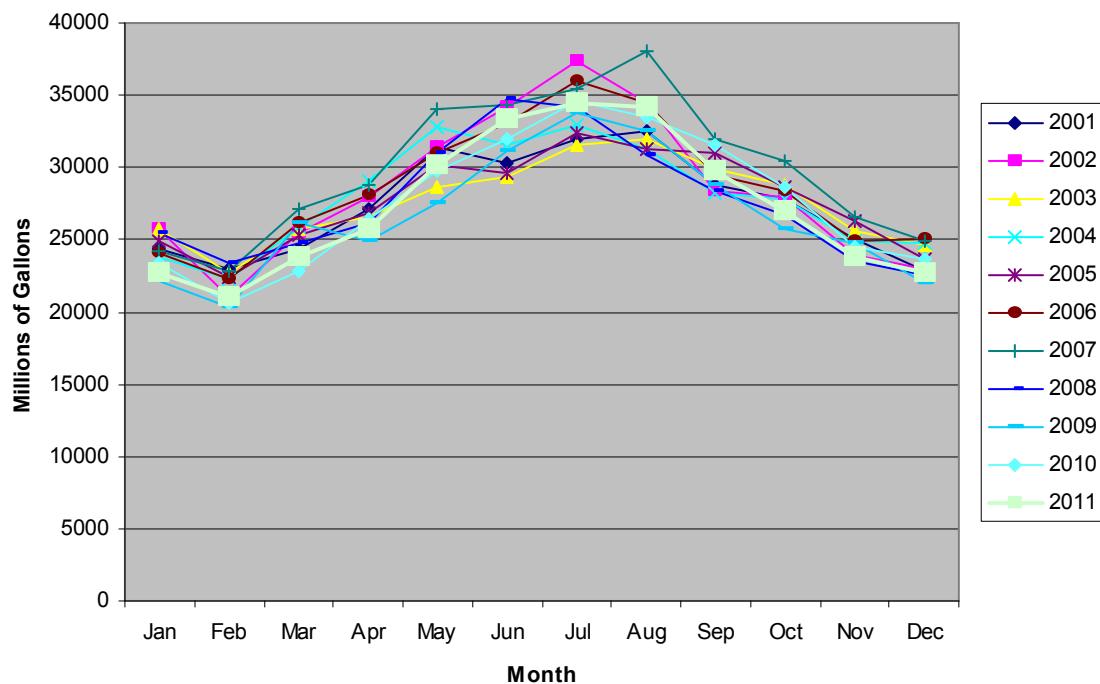
Surface Water Use



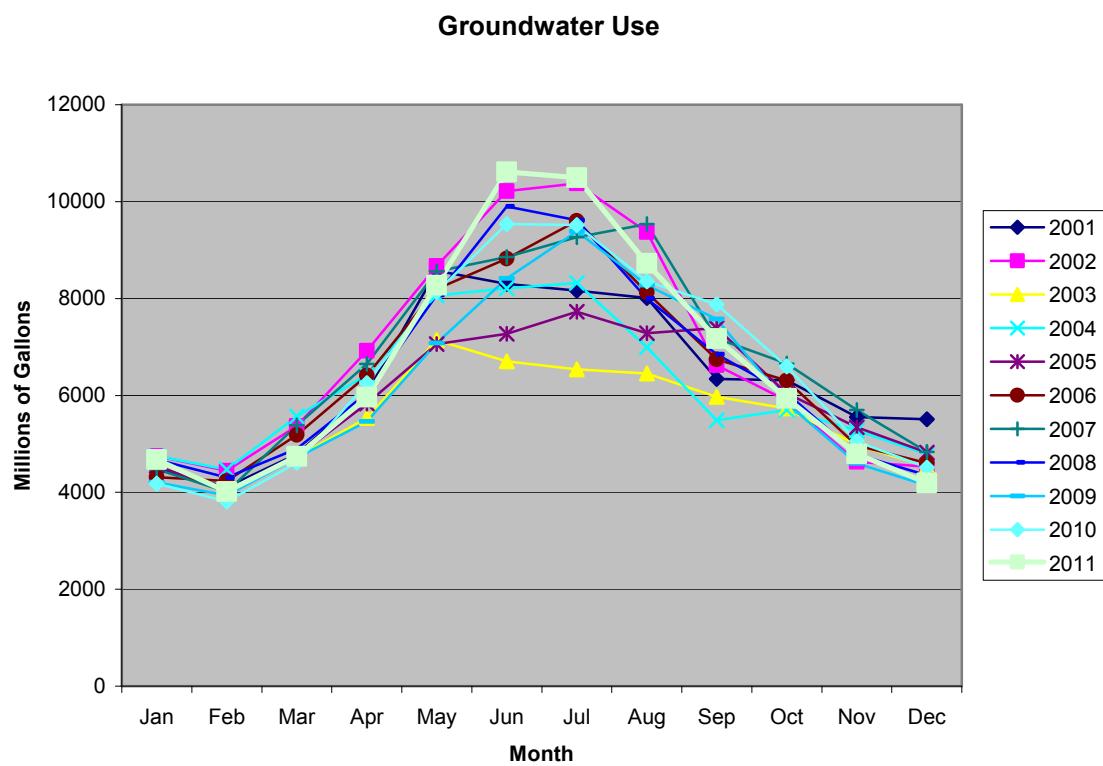
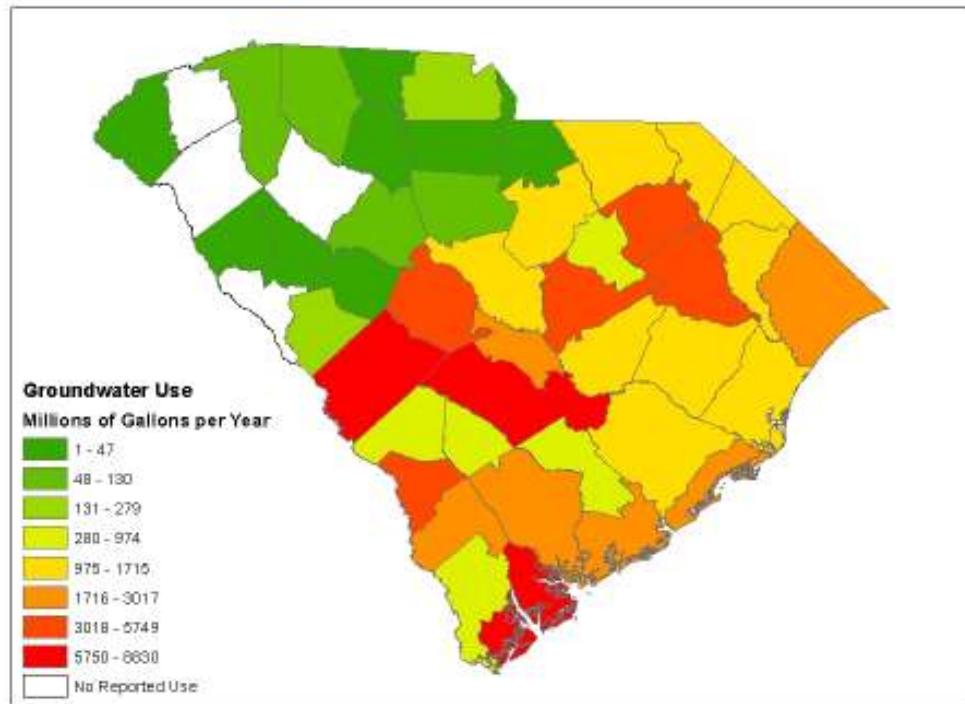
Surface Water Use



Surface Water Use Unrelated to Power Production

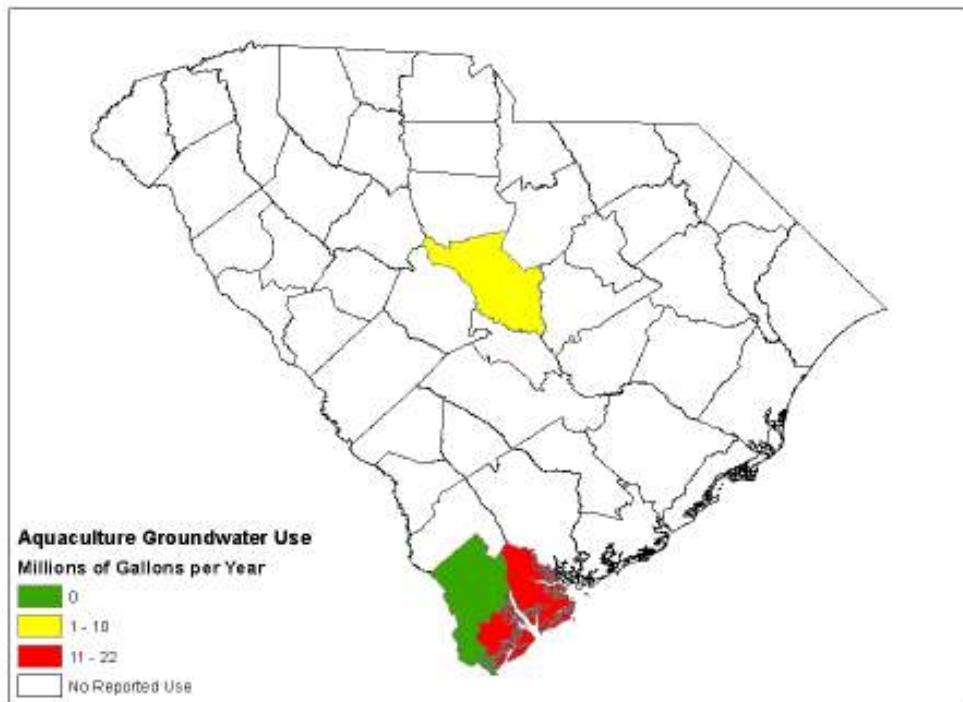
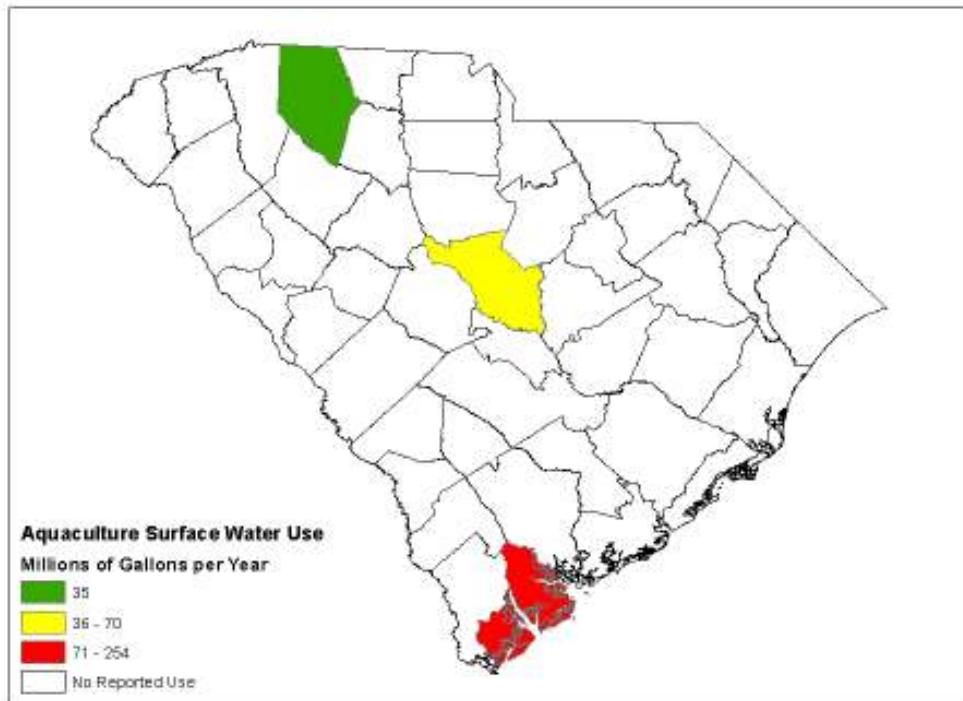


Groundwater Use

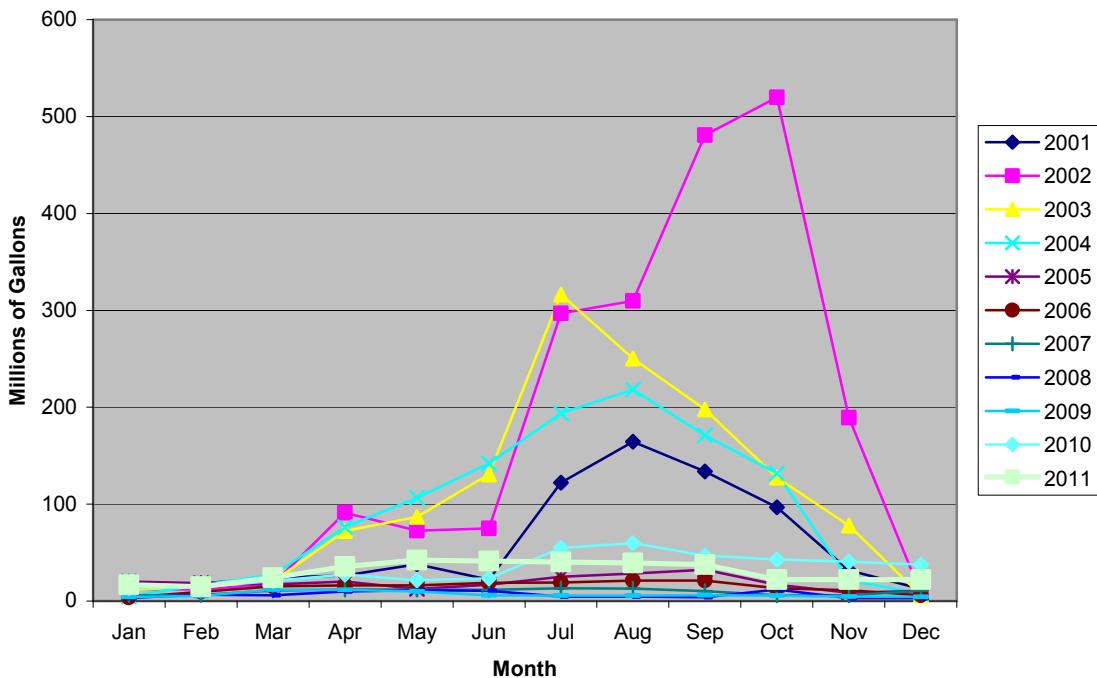


Water Use Categories

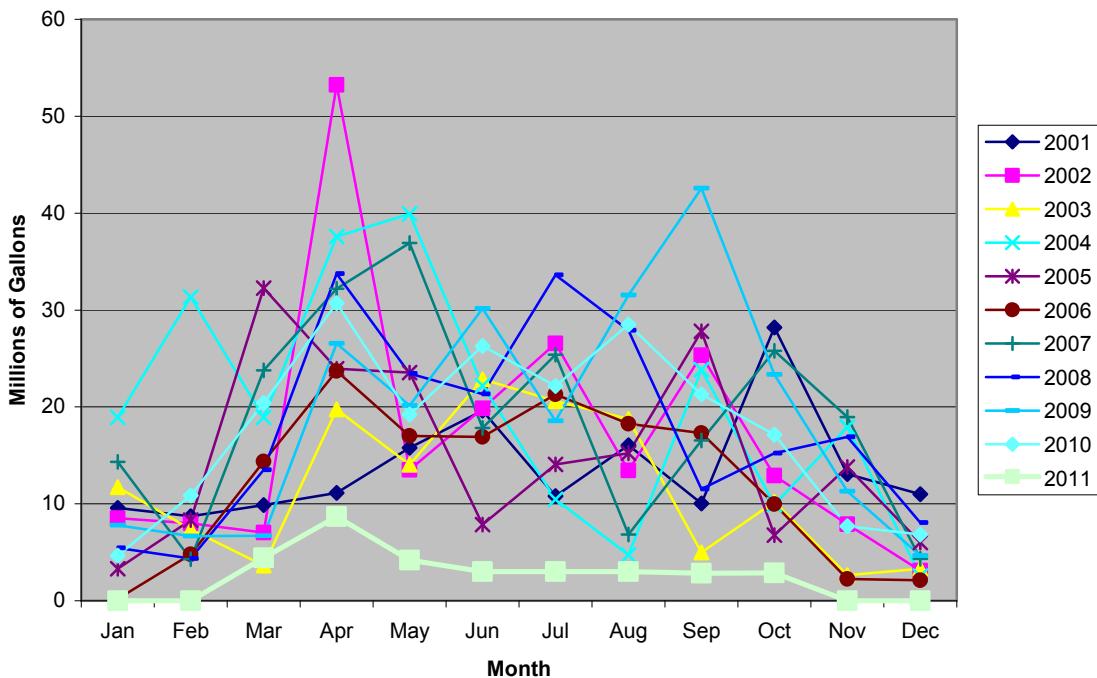
Aquaculture Use



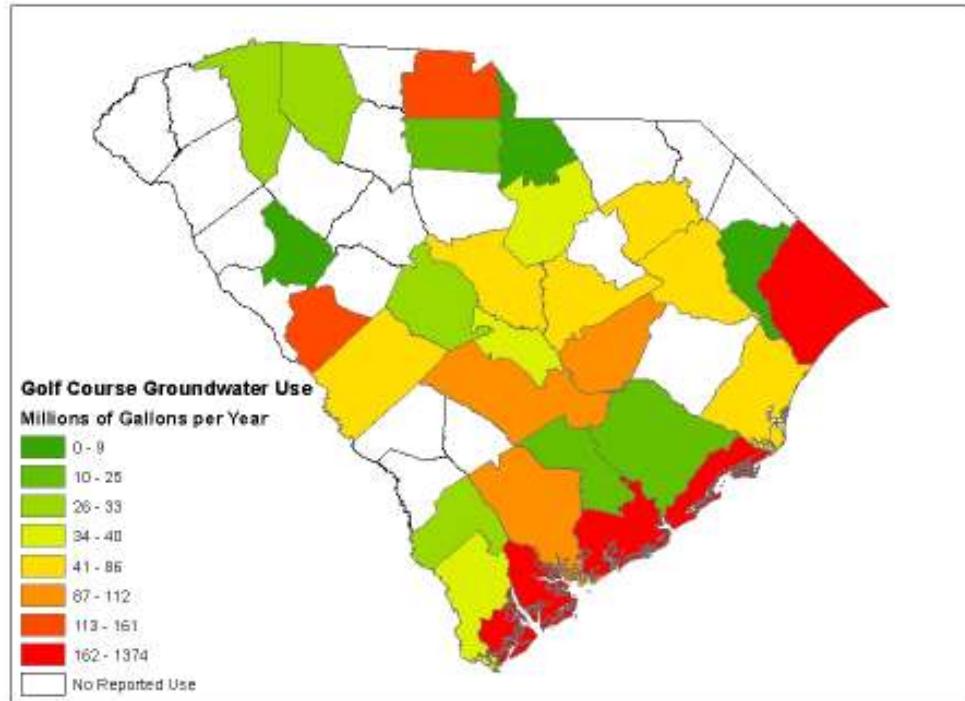
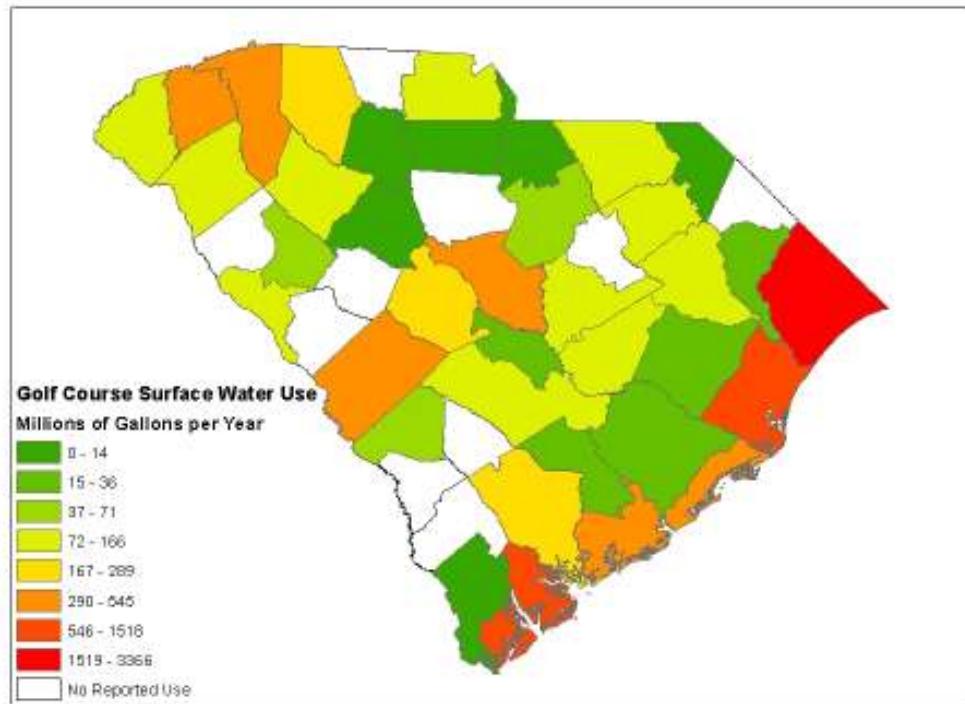
Surface Water Use for Aquaculture



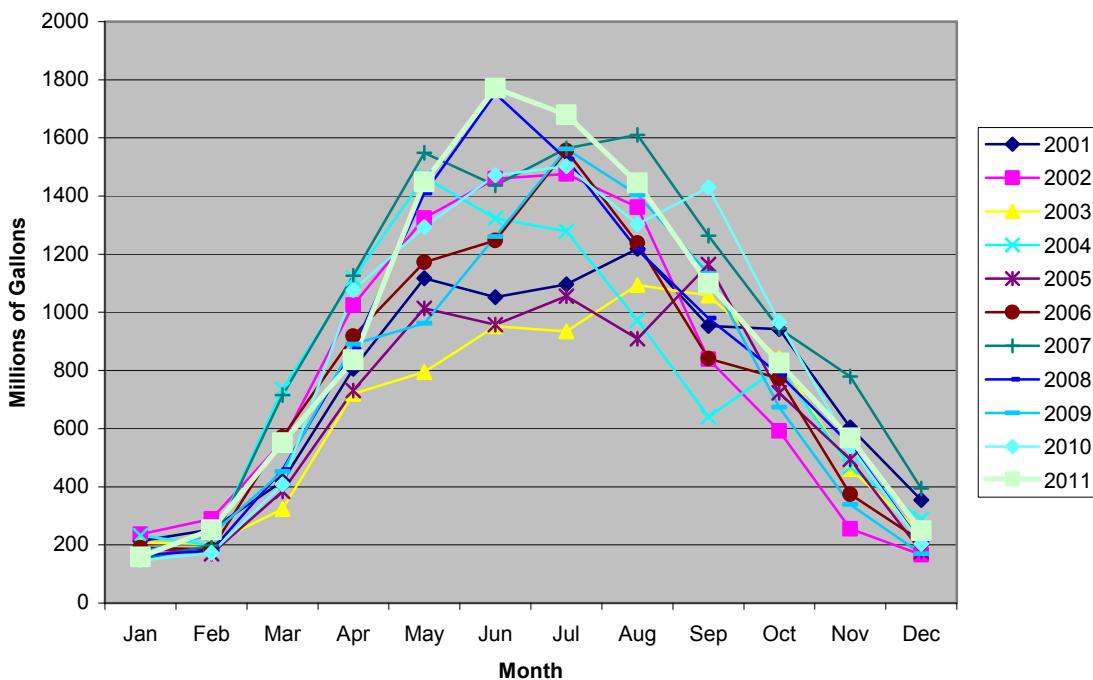
Groundwater Use for Aquaculture



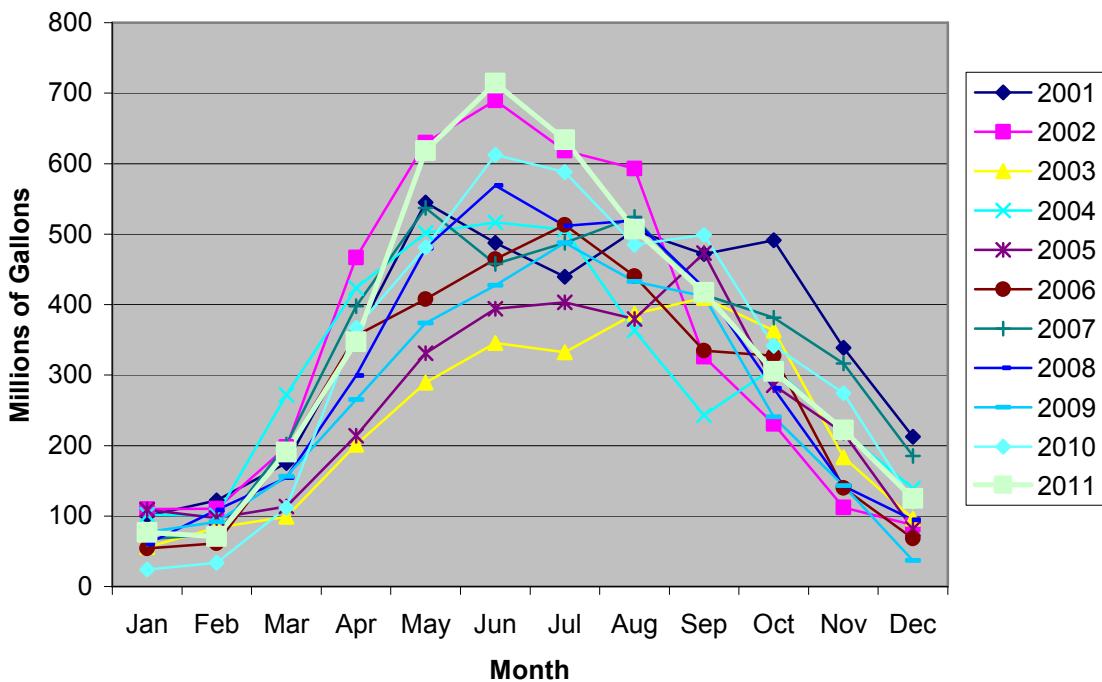
Golf Course Use



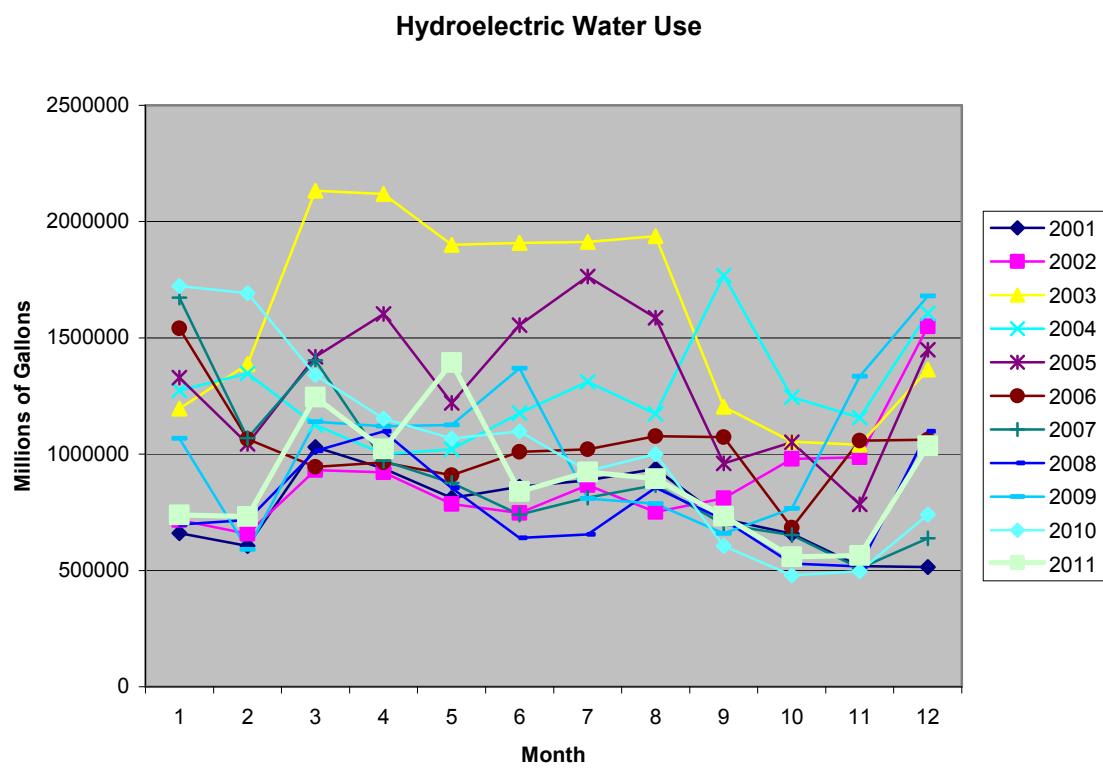
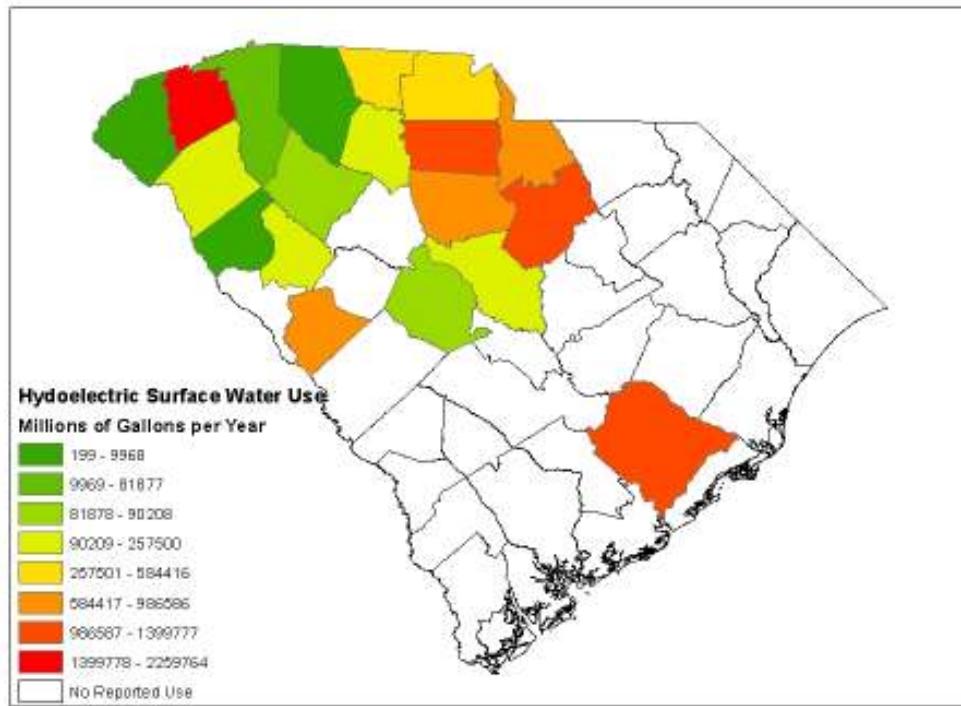
Surface Water Use for Golf Courses



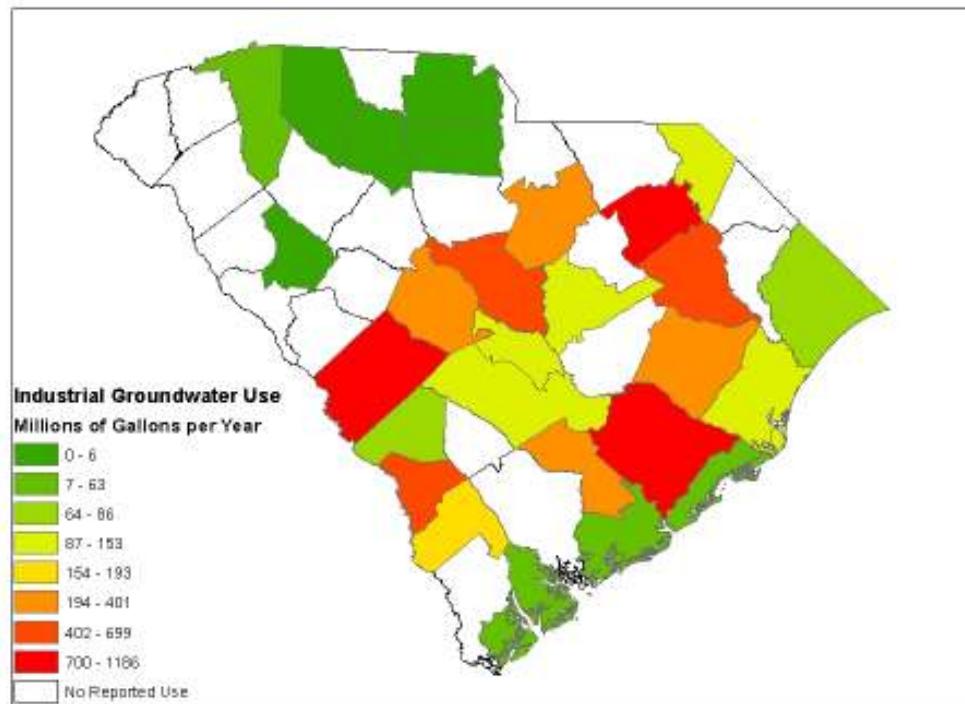
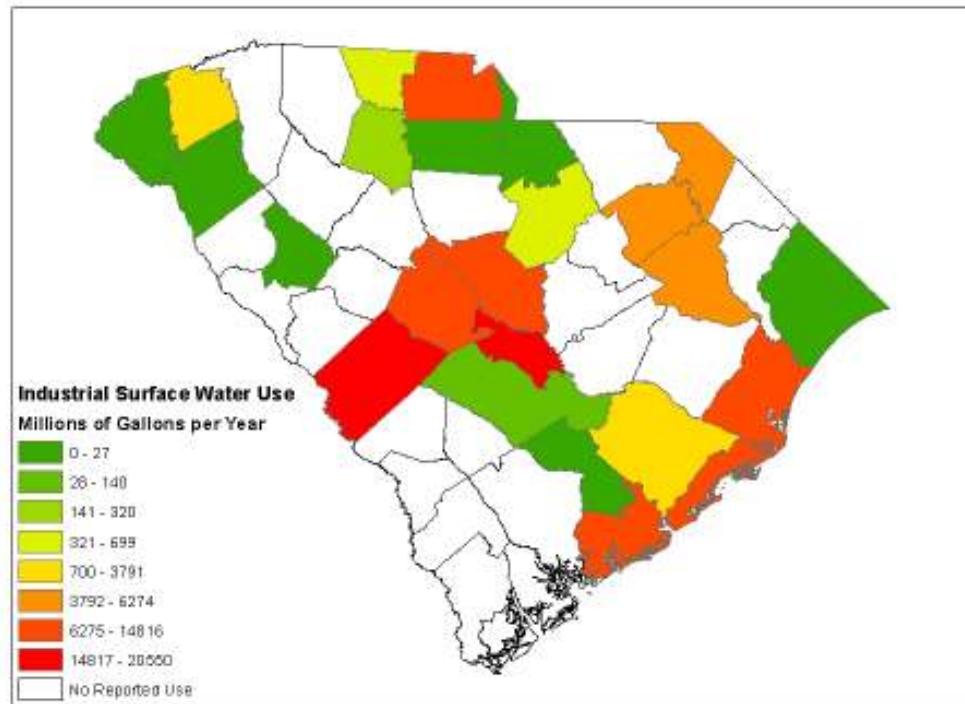
Groundwater Use for Golf Courses



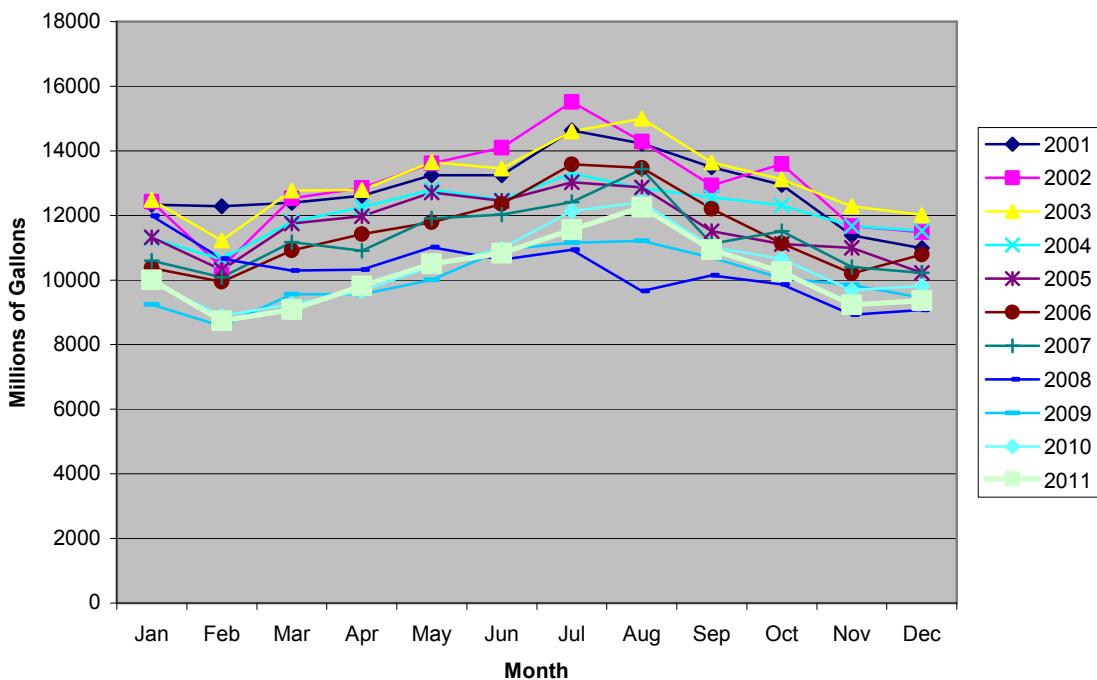
Hydroelectric Water Use



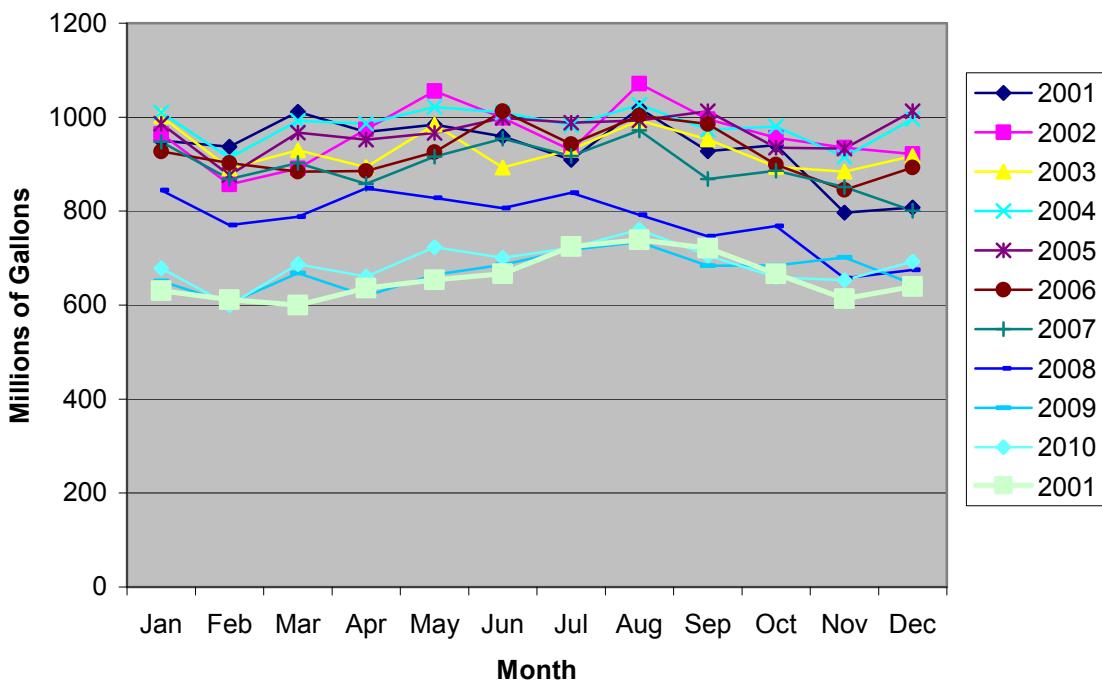
Industrial Use



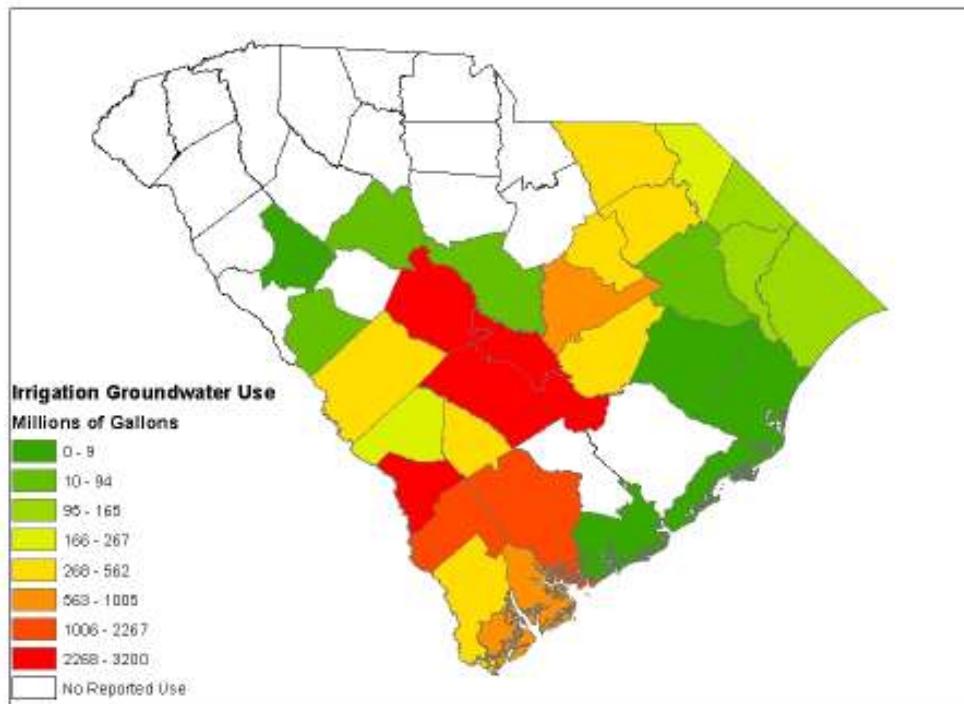
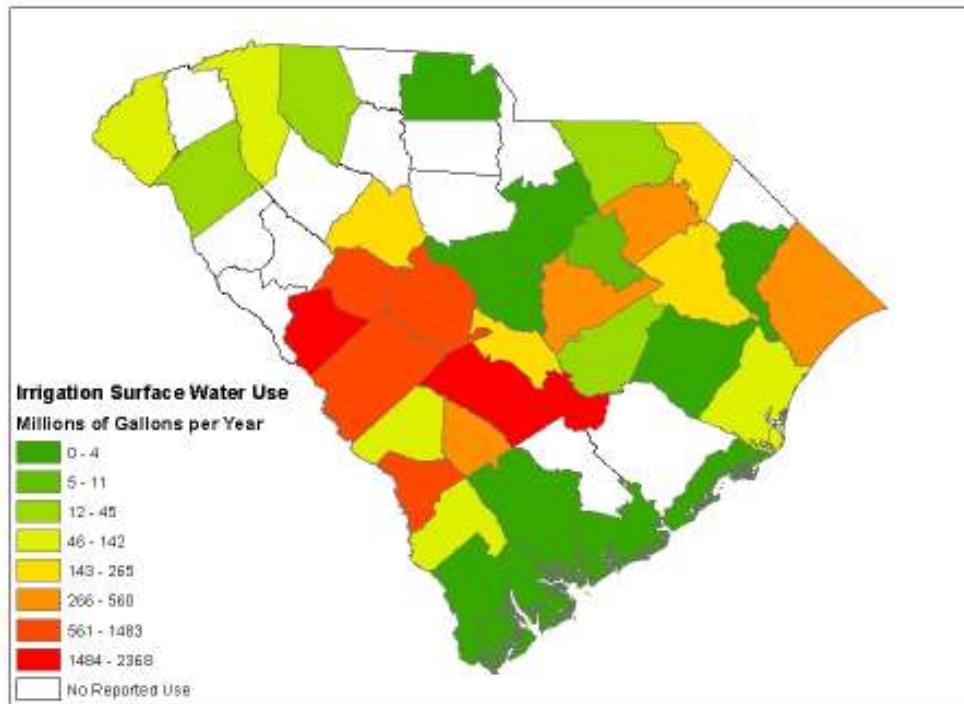
Surface Water Use for Industry



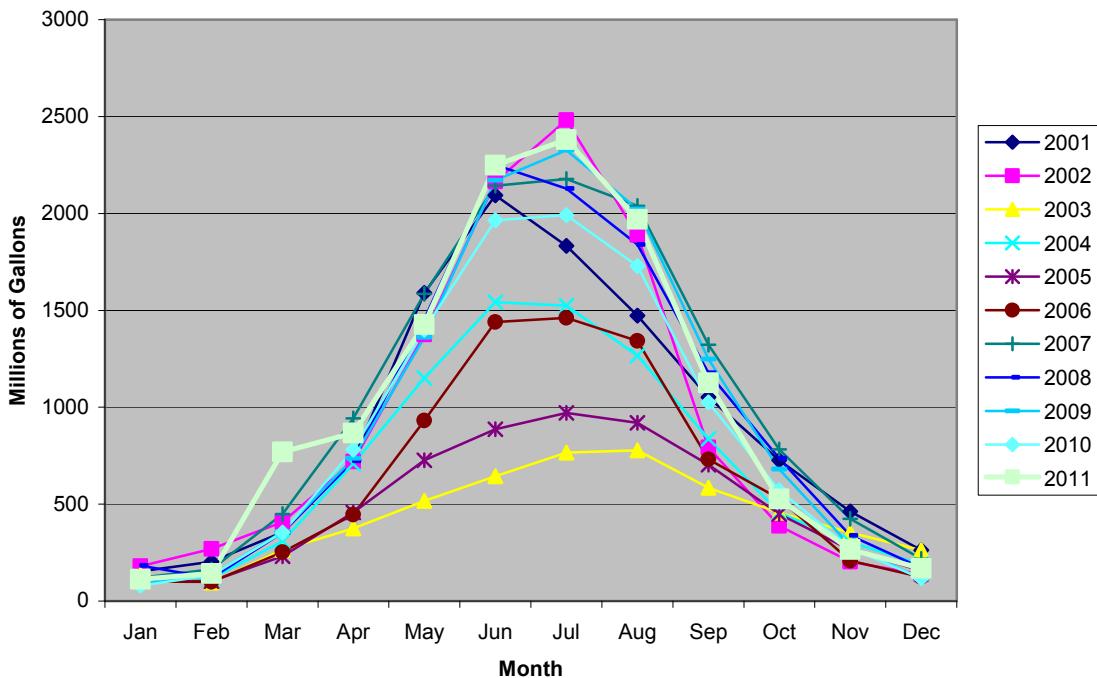
Groundwater Use for Industry



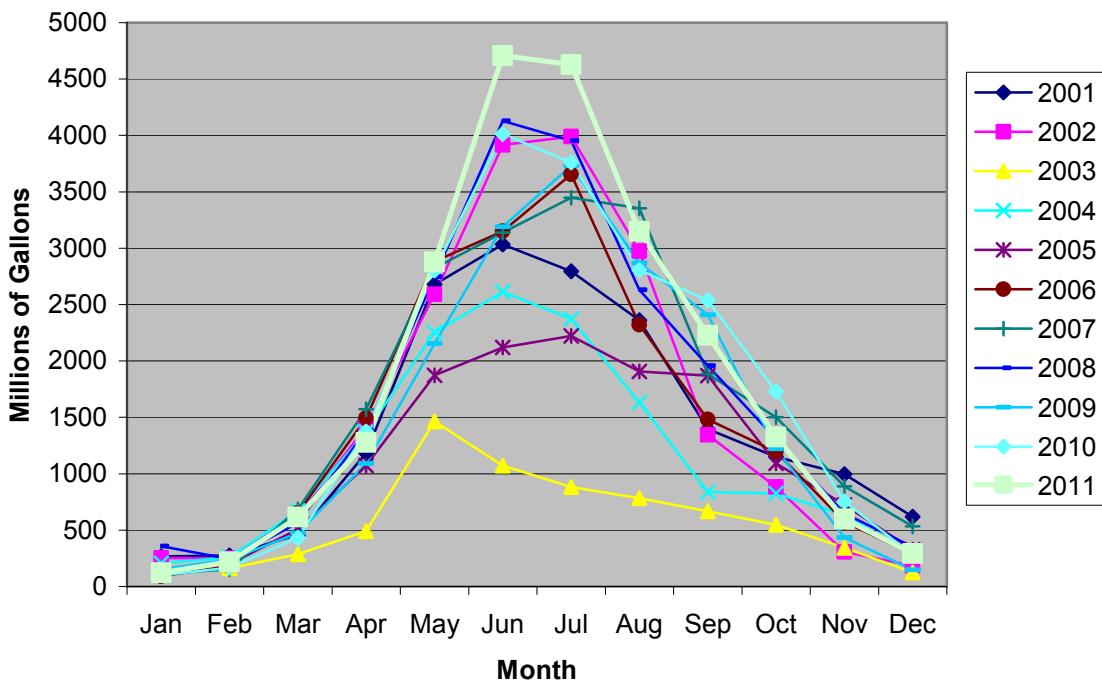
Irrigation Use



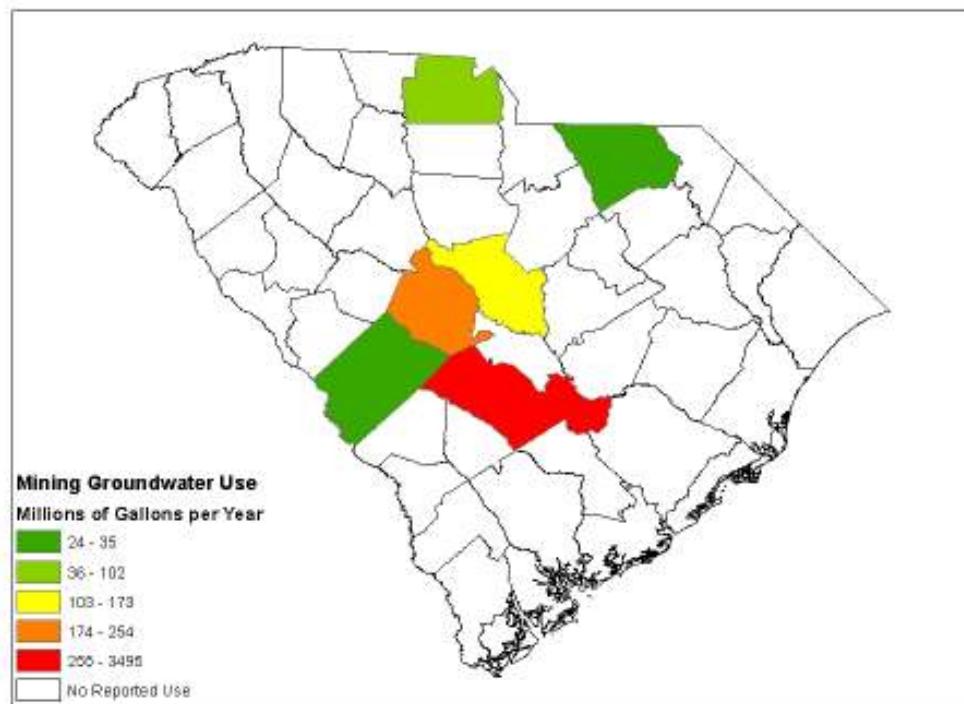
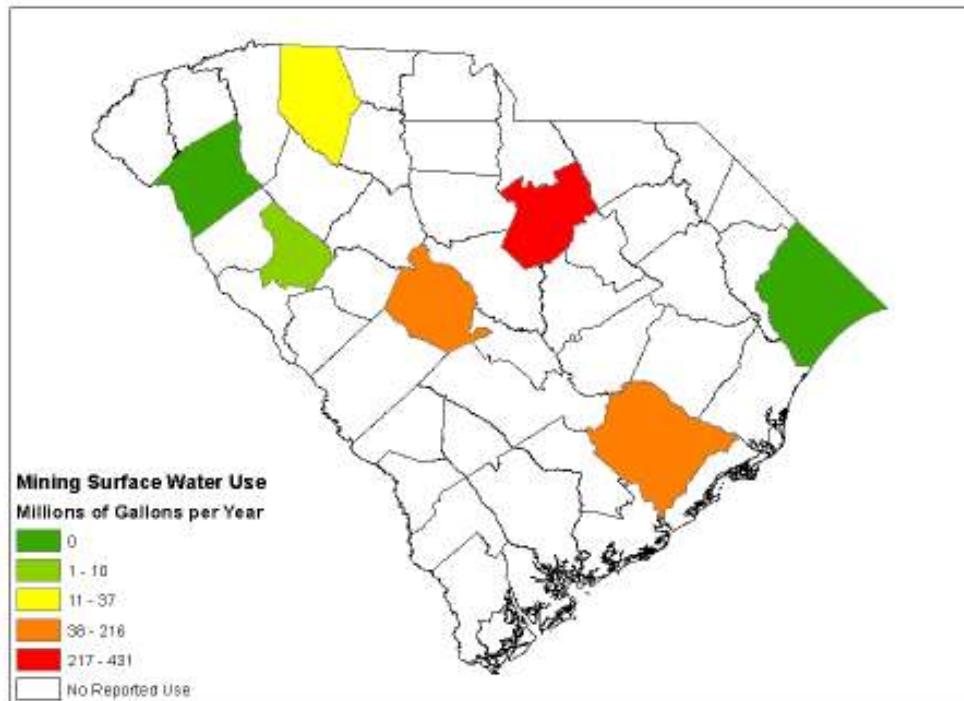
Surface Water Use for Irrigation



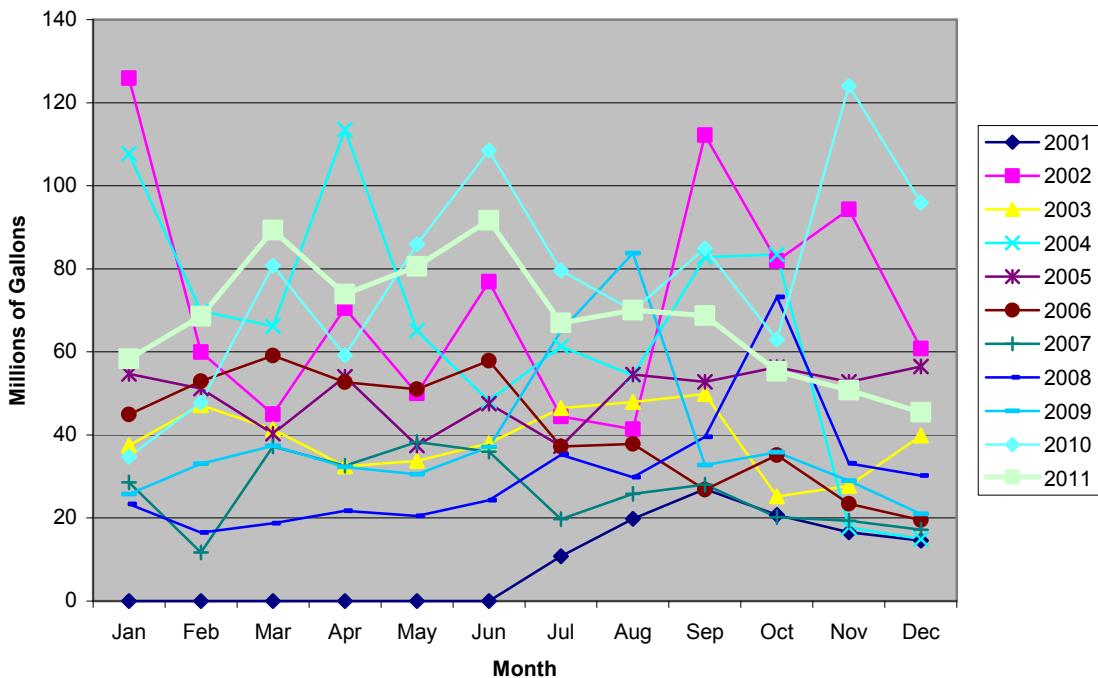
Groundwater Use for Irrigation



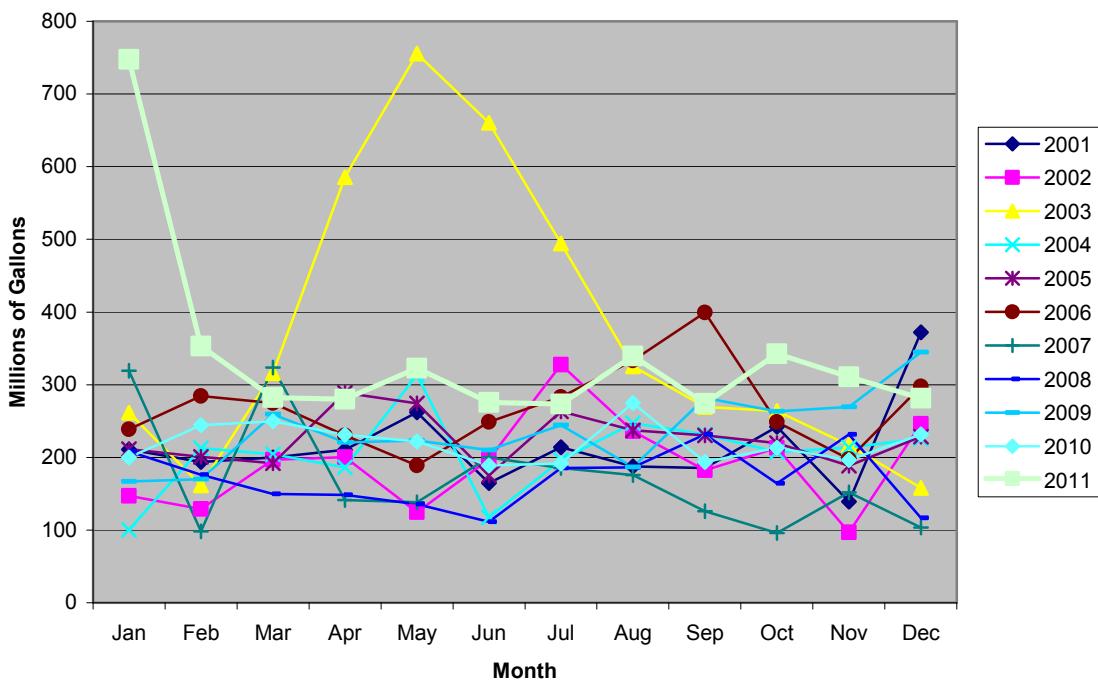
Mining



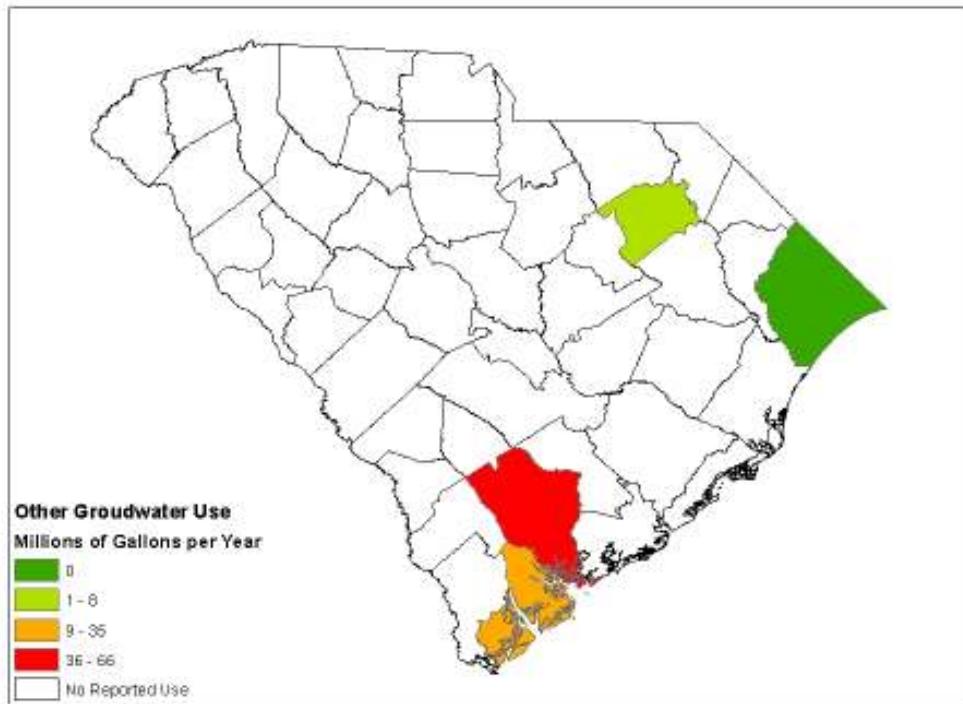
Surface Water Use for Mining



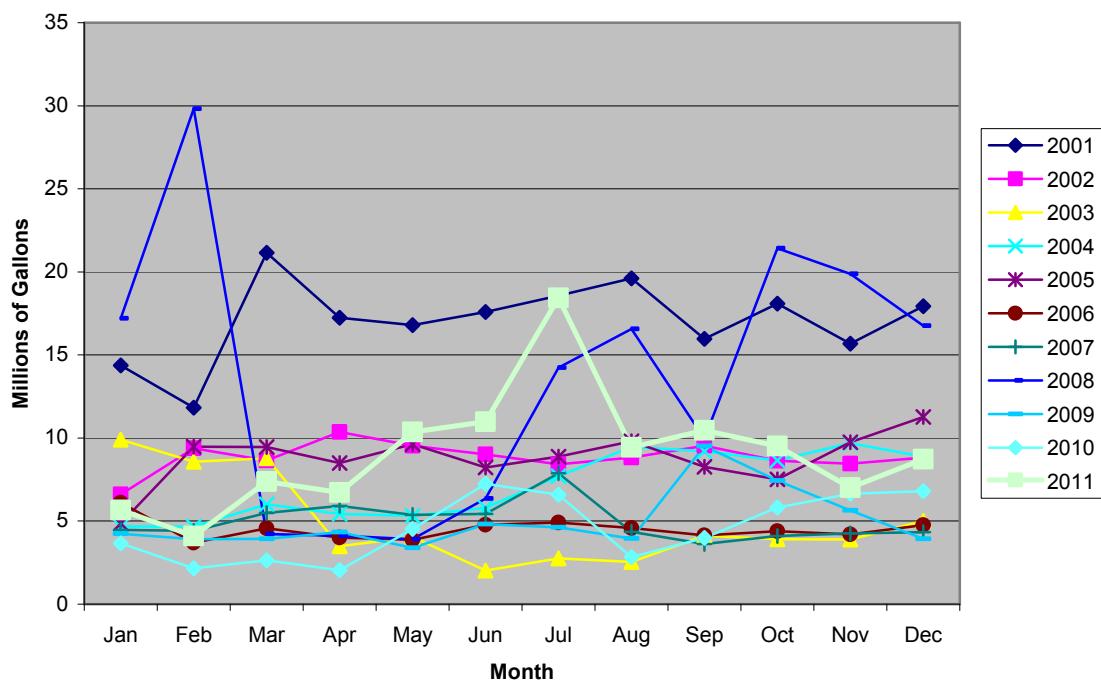
Groundwater Use for Mining



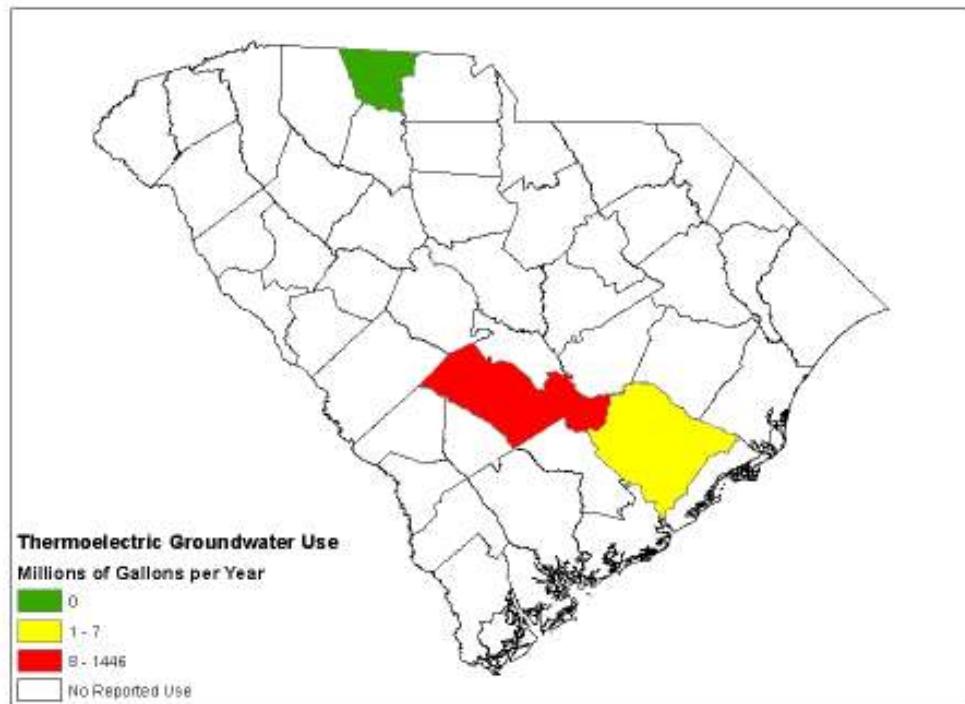
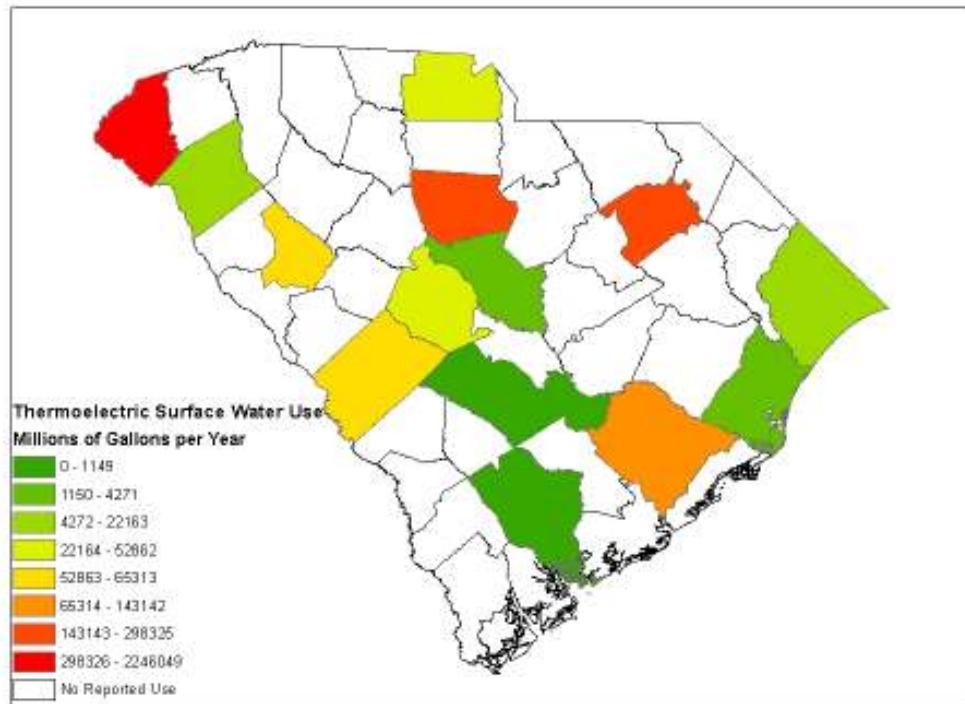
Other Uses



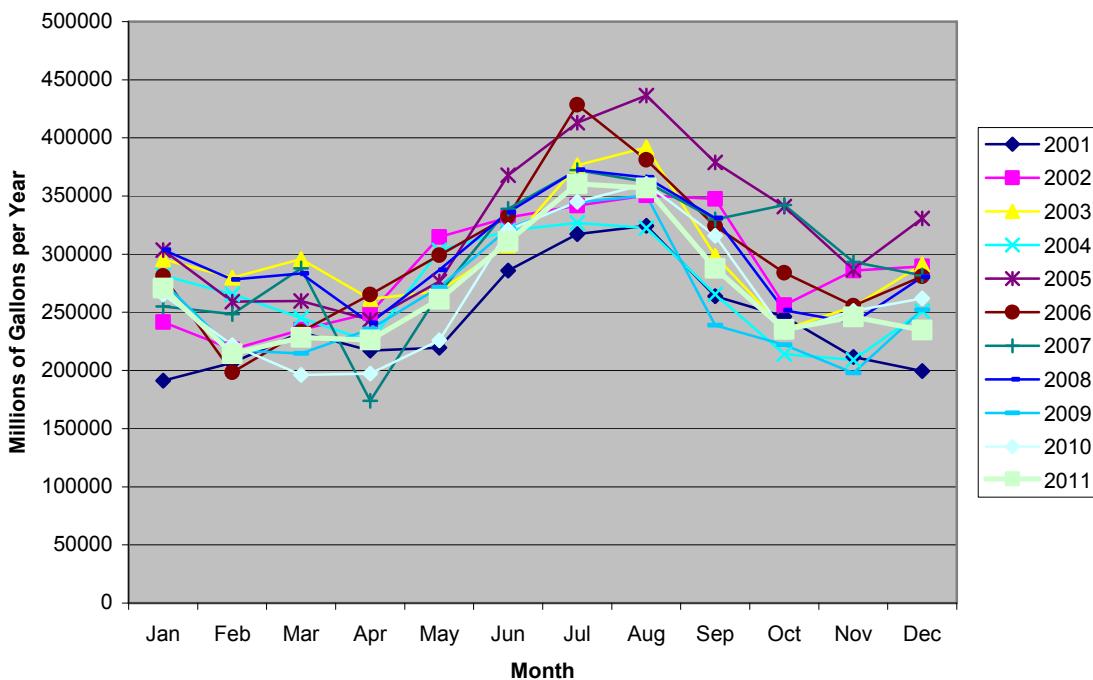
Groundwater Use for Other



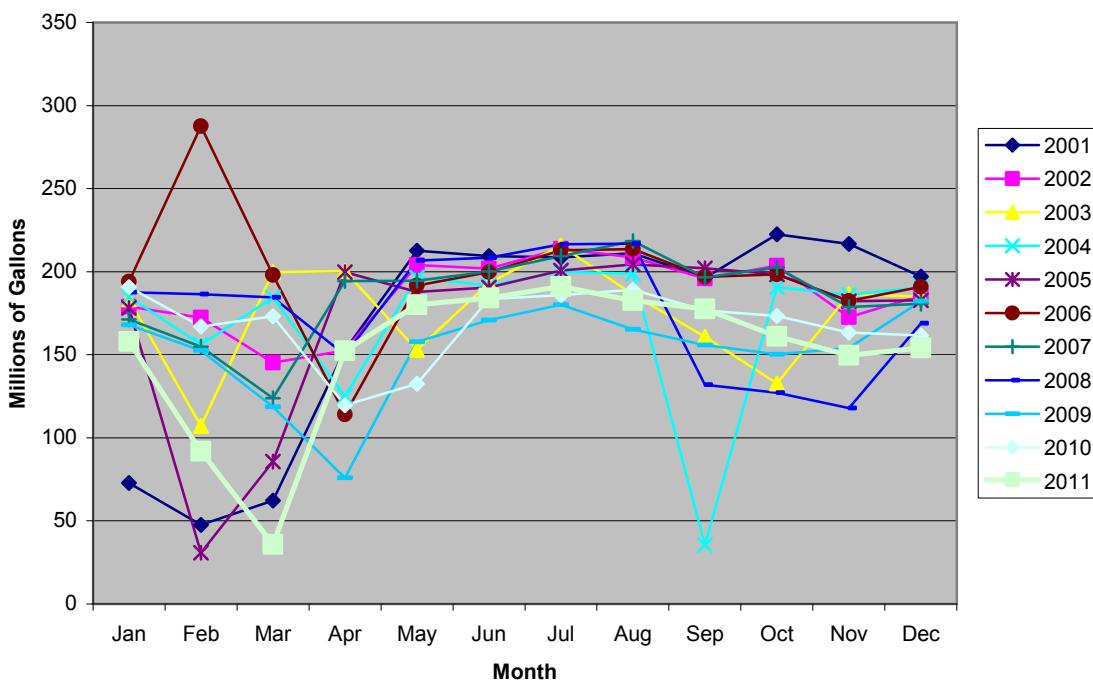
Thermoelectric Water Use



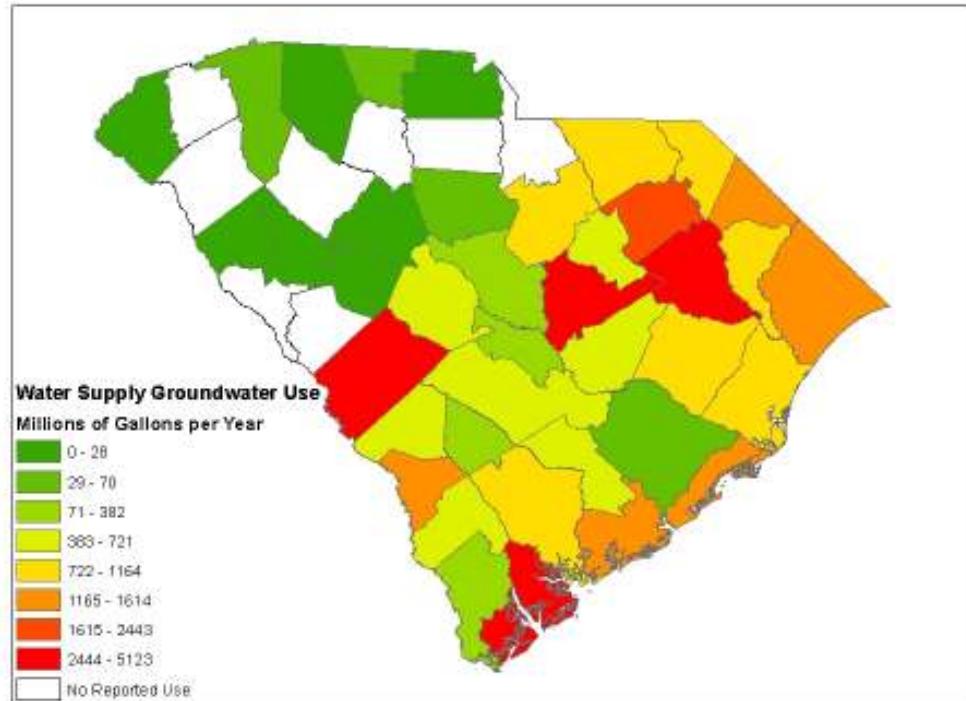
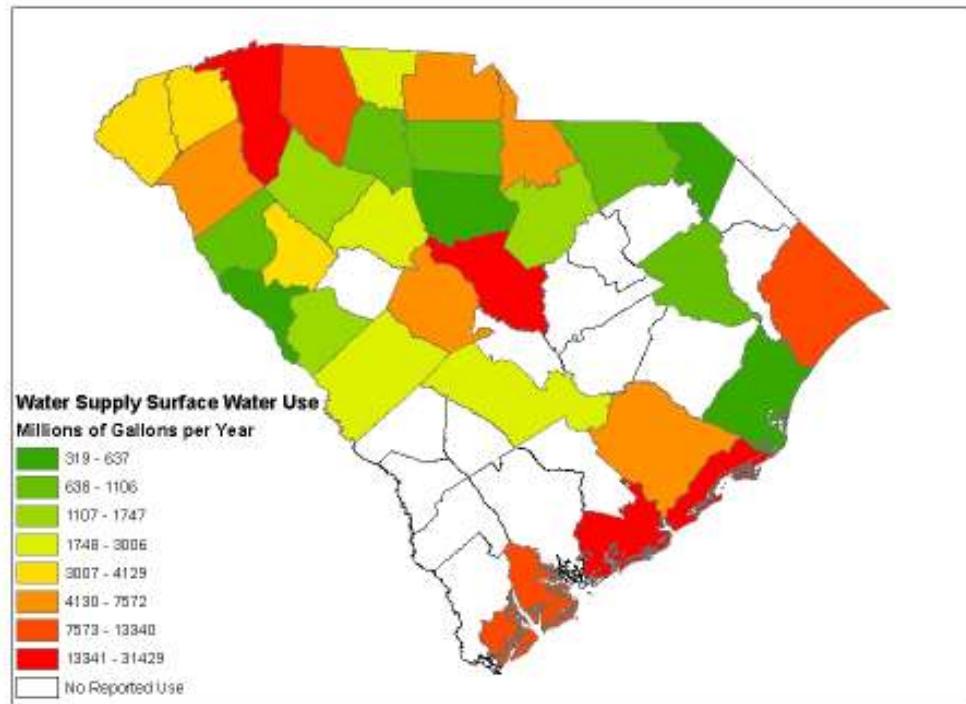
Surface Water Use for Thermoelectric Power



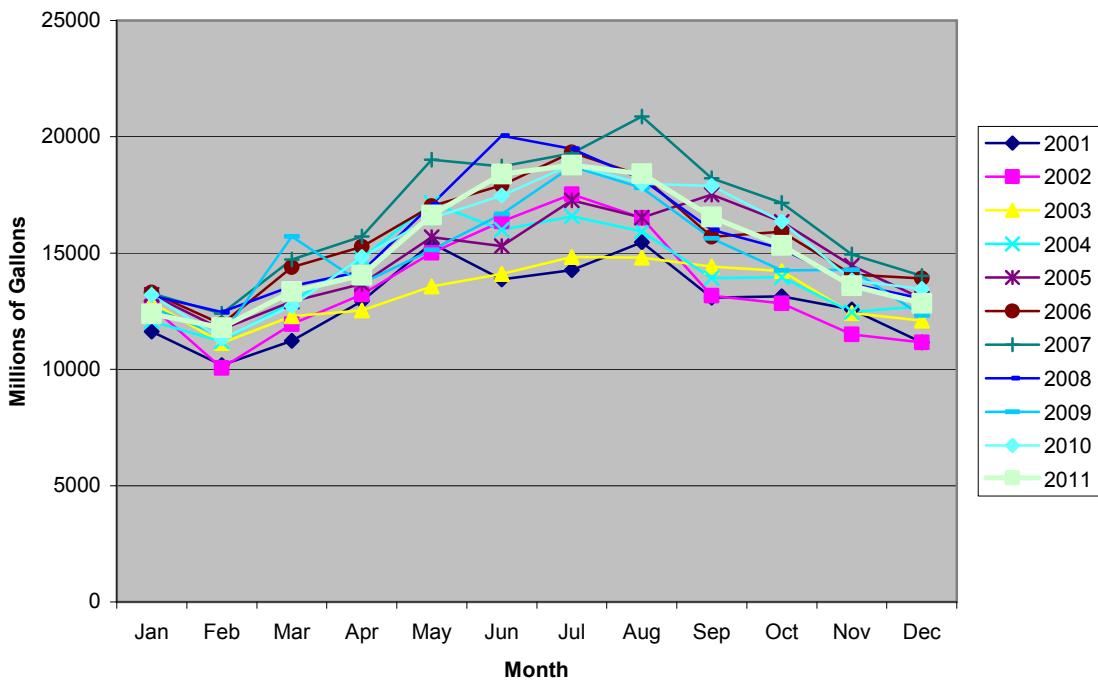
Groundwater Use for Thermoelectric Power Production



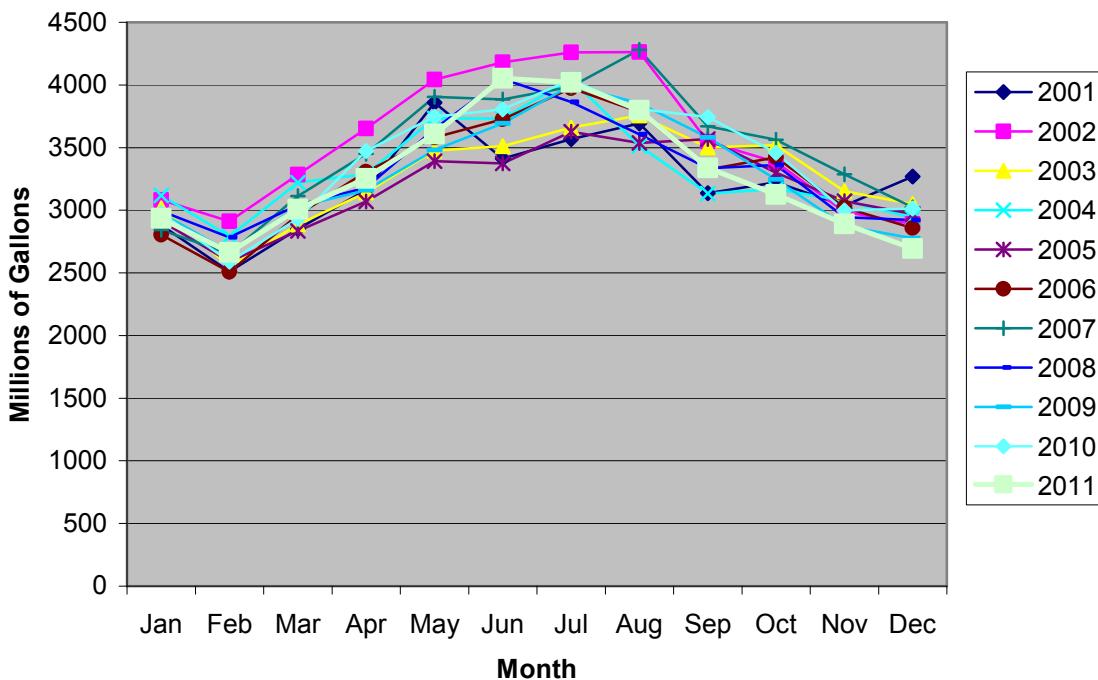
Water Supply



Surface Water Use for Water Supply



Groundwater Use for Water Supply



Appendix A: Surface and Groundwater Use Summary Table

*Use in Millions of Gallons

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Abbeville	Groundwater	Water Supply	0.265	0.185	0.279	0.296	0.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Abbeville	Surface Water	Hydroelectric	1,363.000	1,205.000	1,465.000	1,709.000	417.000	221.000	181.000	133.000	24.000	339.000	181.000	496.000
Abbeville	Surface Water	Water Supply	61.440	59.050	64.260	59.670	71.840	76.270	75.100	81.260	72.730	74.360	66.730	59.890
Aiken	Groundwater	Golf Course	0.000	0.945	2.270	6.048	7.200	13.480	8.352	11.022	13.809	6.907	4.416	2.059
Aiken	Groundwater	Industrial	77.877	62.403	66.442	66.995	71.671	74.379	73.388	100.708	87.010	80.062	84.178	93.485
Aiken	Groundwater	Irrigation	4.700	3.100	12.500	49.600	68.300	84.700	87.500	78.100	58.600	44.300	13.800	4.900
Aiken	Groundwater	Mining	0.000	0.000	0.000	12.096	12.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aiken	Groundwater	Water Supply	358.638	321.510	375.499	398.822	457.842	492.047	521.358	541.401	479.326	434.979	387.214	353.913
Aiken	Surface Water	Golf Course	0.422	6.200	11.632	27.157	44.530	75.142	74.467	70.837	42.252	28.129	11.109	2.960
Aiken	Surface Water	Industrial	1,661.620	1,390.870	1,550.195	1,687.095	1,794.195	1,607.870	1,856.920	2,163.745	1,796.370	1,786.245	1,554.370	1,700.120
Aiken	Surface Water	Irrigation	30.000	20.000	45.000	60.000	103.000	120.000	134.000	121.000	100.000	88.000	70.000	60.000
Aiken	Surface Water	Thermoelectric	6,638.000	3,708.000	3,198.000	5,181.000	5,928.000	7,008.000	7,464.000	7,662.000	6,647.000	5,463.000	2,846.000	3,570.000
Aiken	Surface Water	Water Supply	100.064	92.035	117.666	157.215	221.694	291.665	303.364	304.868	238.326	165.519	119.768	103.618
Allendale	Groundwater	Industrial	56.034	49.753	60.676	53.398	65.210	60.380	60.181	63.191	53.585	52.321	40.036	39.086
Allendale	Groundwater	Irrigation	10.910	11.417	78.032	219.585	387.428	510.612	497.116	386.931	291.099	194.485	45.499	49.231
Allendale	Groundwater	Water Supply	100.869	93.105	94.925	99.513	110.214	114.139	110.217	126.445	103.031	107.328	98.047	104.308
Allendale	Surface Water	Irrigation	0.000	0.000	81.500	99.500	102.700	178.600	181.400	172.100	45.200	19.600	0.000	0.000
Anderson	Surface Water	Golf Course	0.700	0.700	2.184	5.460	9.536	14.392	17.276	17.528	14.088	9.672	2.796	0.800
Anderson	Surface Water	Hydroelectric	37,000.000	39,000.000	37,500.000	30,000.000	28,000.000	25,000.000	12,000.000	10,000.000	4,000.000	7,500.000	10,500.000	17,000.000
Anderson	Surface Water	Industrial	2.500	2.600	3.300	3.600	1.600	1.200	1.000	2.400	2.000	1.200	1.000	1.100
Anderson	Surface Water	Irrigation	0.500	2.100	2.100	3.500	3.700	4.500	4.200	3.500	3.300	0.000	0.000	0.000
Anderson	Surface Water	Mining	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Anderson	Surface Water	Thermoelectric	3,322.731	1,303.925	538.362	1,862.014	1,649.681	3,656.054	4,165.825	3,387.959	507.790	67.120	55.626	70.046

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Anderson	Surface Water	Water Supply	546.080	484.190	529.330	560.780	693.090	714.830	778.590	806.760	693.920	626.510	579.270	559.020
Bamberg	Groundwater	Irrigation	2.000	2.800	9.749	27.218	51.887	124.574	152.895	105.419	59.374	20.730	4.138	1.000
Bamberg	Groundwater	Water Supply	36.180	34.899	37.859	31.944	33.983	34.507	31.365	32.380	31.953	27.624	25.657	23.870
Bamberg	Surface Water	Irrigation	5.765	4.500	21.400	44.758	69.531	109.835	113.099	85.920	50.500	43.289	9.100	2.000
Barnwell	Groundwater	Industrial	13.400	12.100	13.400	13.000	13.400	13.000	7.780	0.000	0.000	0.000	0.000	0.000
Barnwell	Groundwater	Irrigation	0.000	0.000	0.000	9.300	18.529	40.335	128.672	37.740	21.000	6.000	5.000	0.000
Barnwell	Groundwater	Water Supply	57.114	49.046	51.964	31.562	40.982	41.491	51.410	43.178	33.862	37.115	38.011	34.152
Barnwell	Surface Water	Golf Course	0.600	0.350	6.500	9.100	11.000	11.000	13.000	8.000	4.500	4.000	0.400	0.420
Barnwell	Surface Water	Irrigation	0.000	0.000	0.500	6.200	15.000	28.400	23.600	21.100	20.500	0.000	0.000	0.000
Beaufort	Groundwater	Aquaculture	0.001	0.001	1.341	2.881	2.802	3.002	3.002	3.002	2.851	2.881	0.001	0.001
Beaufort	Groundwater	Golf Course	18.304	21.251	64.472	114.209	252.260	256.498	196.883	134.429	119.798	87.500	72.854	24.620
Beaufort	Groundwater	Industrial	2.834	2.803	3.315	3.308	3.441	3.252	3.272	3.115	2.956	2.940	2.863	2.753
Beaufort	Groundwater	Irrigation	0.020	2.255	41.761	84.841	189.745	210.142	81.664	60.115	49.543	20.983	0.568	11.230
Beaufort	Groundwater	Other	2.880	2.730	2.890	2.510	2.950	3.710	3.050	2.800	3.600	2.520	2.790	2.860
Beaufort	Groundwater	Water Supply	192.233	212.179	321.465	395.724	518.184	598.191	586.736	509.284	415.970	357.215	318.953	238.229
Beaufort	Surface Water	Aquaculture	12.960	11.230	18.140	25.920	26.780	26.920	26.780	25.920	25.920	17.280	18.140	18.100
Beaufort	Surface Water	Golf Course	41.239	54.075	95.904	132.300	195.455	234.596	185.684	171.154	132.433	122.554	110.655	41.607
Beaufort	Surface Water	Irrigation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Beaufort	Surface Water	Water Supply	626.768	614.784	766.318	779.120	1,102.577	1,107.796	1,090.630	1,014.122	956.716	969.969	802.683	715.689
Berkeley	Groundwater	Golf Course	0.000	0.000	2.000	2.000	2.000	3.000	4.000	4.000	3.000	3.000	0.000	0.000
Berkeley	Groundwater	Hydroelectric	0.077	0.067	0.070	0.070	0.072	0.086	0.072	0.073	0.070	0.077	0.072	0.072
Berkeley	Groundwater	Industrial	102.081	94.932	105.332	97.870	99.859	102.873	107.829	103.855	102.989	96.564	84.010	87.348
Berkeley	Groundwater	Thermoelectric	0.548	0.278	0.352	0.726	0.734	0.763	0.719	0.754	0.673	0.569	0.554	0.668
Berkeley	Groundwater	Water Supply	5.409	4.854	5.239	4.935	5.753	6.294	5.766	6.129	5.367	4.981	5.157	5.173
Berkeley	Surface Water	Golf Course	0.000	0.000	2.000	2.000	2.000	3.000	4.000	4.000	3.000	3.000	0.000	0.000

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Berkeley	Surface Water	Hydroelectric	103,277.497	92,251.450	103,498.819	101,555.182	102,516.189	99,209.214	102,977.015	102,736.567	97,696.938	101,113.778	84,902.180	85,006.095
Berkeley	Surface Water	Industrial	314.663	305.980	328.709	339.740	256.417	318.635	326.878	355.115	344.546	303.542	298.181	298.643
Berkeley	Surface Water	Mining	10.530	9.090	11.970	10.800	10.440	10.980	8.640	12.390	11.610	10.530	10.890	8.370
Berkeley	Surface Water	Thermoelectric	18,076.405	14,749.735	13,548.229	17,037.835	17,780.556	17,808.889	17,774.445	18,259.945	3,333.984	1,781.694	1,408.469	1,581.939
Berkeley	Surface Water	Water Supply	494.600	403.000	474.800	512.800	609.800	761.000	639.900	616.300	564.100	554.700	489.700	469.700
Calhoun	Groundwater	Golf Course	0.700	0.600	1.200	2.300	3.500	5.200	8.100	8.600	6.600	1.700	0.800	0.600
Calhoun	Groundwater	Industrial	12.199	10.965	12.204	12.612	13.078	13.090	13.352	13.282	13.553	13.103	12.026	13.386
Calhoun	Groundwater	Irrigation	10.000	14.320	29.360	127.000	396.120	610.110	694.820	308.550	195.660	89.500	71.230	21.600
Calhoun	Groundwater	Water Supply	23.518	17.401	18.052	20.675	20.822	24.013	25.228	23.959	22.325	20.902	20.766	18.775
Calhoun	Surface Water	Golf Course	0.600	0.500	1.000	2.200	3.100	5.000	7.900	7.000	6.000	1.000	0.800	0.500
Calhoun	Surface Water	Industrial	1,392.476	1,152.195	1,311.432	1,404.386	1,689.710	1,939.553	2,020.555	2,042.392	1,838.412	1,410.479	1,159.552	1,122.250
Calhoun	Surface Water	Irrigation	0.000	0.000	0.000	5.680	30.590	67.030	85.130	62.000	14.750	0.000	0.000	0.000
Charleston	Groundwater	Golf Course	18.022	20.710	35.897	50.019	87.259	90.569	87.370	74.313	67.262	41.278	37.351	28.429
Charleston	Groundwater	Industrial	4.780	4.880	5.342	4.590	4.580	4.280	4.480	2.759	3.400	3.570	3.595	4.560
Charleston	Groundwater	Irrigation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Charleston	Groundwater	Water Supply	68.202	69.455	109.233	128.775	191.827	260.518	219.266	174.936	141.359	102.353	87.300	61.055
Charleston	Surface Water	Golf Course	11.299	11.353	24.215	30.792	73.871	60.648	52.739	40.669	36.874	27.505	19.312	10.266
Charleston	Surface Water	Industrial	819.532	732.833	772.907	724.598	685.775	846.021	801.681	911.389	829.686	863.247	825.478	840.427
Charleston	Surface Water	Irrigation	0.000	0.000	0.000	0.500	0.700	0.750	0.200	0.750	0.750	0.600	0.000	0.000
Charleston	Surface Water	Water Supply	2,362.465	2,195.090	2,444.349	2,536.909	2,752.355	2,975.580	2,820.102	2,831.280	2,776.135	2,656.257	2,571.024	2,507.034
Cherokee	Groundwater	Thermoelectric	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Cherokee	Groundwater	Water Supply	3.825	3.475	3.825	3.950	4.350	3.850	4.000	4.075	3.850	4.025	3.825	3.900
Cherokee	Surface Water	Hydroelectric	34,643.000	38,979.000	53,025.000	58,908.000	42,577.000	26,109.000	18,698.000	13,025.000	19,319.000	19,521.000	29,671.000	57,242.000
Cherokee	Surface Water	Industrial	40.540	41.230	48.330	57.680	55.010	58.160	40.340	35.120	37.350	34.850	35.580	38.620

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Cherokee	Surface Water	Water Supply	175.700	167.600	196.700	190.700	204.800	289.500	231.300	227.900	216.300	187.500	175.000	173.800
Chester	Groundwater	Golf Course	0.000	0.000	0.000	0.000	6.200	6.200	6.200	6.200	0.000	0.000	0.000	0.000
Chester	Groundwater	Industrial	2.298	2.095	0.292	0.091	0.091	0.105	0.117	0.086	0.100	0.032	0.251	0.138
Chester	Surface Water	Golf Course	0.000	0.200	0.100	1.600	1.700	3.300	2.900	2.900	1.600	0.100	0.000	0.000
Chester	Surface Water	Hydroelectric	94,389.000	105,586.000	245,741.000	151,463.000	115,558.000	78,795.000	88,525.000	97,123.000	85,111.000	65,314.000	63,877.000	208,295.000
Chester	Surface Water	Industrial	2.627	1.476	0.832	0.904	1.006	3.583	5.187	3.673	1.672	4.824	0.571	0.823
Chester	Surface Water	Water Supply	90.050	80.830	80.500	85.915	91.330	95.960	99.210	103.360	101.770	95.260	90.480	91.600
Chesterfield	Groundwater	Irrigation	1.215	7.968	25.280	35.003	79.772	94.240	76.148	50.921	56.010	30.173	10.218	8.165
Chesterfield	Groundwater	Mining	1.222	1.166	2.568	5.964	3.000	2.834	1.310	3.012	2.995	4.514	3.211	2.714
Chesterfield	Groundwater	Water Supply	80.497	70.880	78.240	188.168	87.146	92.795	94.245	89.247	77.373	73.465	67.717	68.243
Chesterfield	Surface Water	Golf Course	0.013	0.013	3.842	6.975	10.979	23.340	20.747	17.686	11.126	5.572	3.037	0.523
Chesterfield	Surface Water	Irrigation	0.000	0.000	0.000	4.000	4.000	4.000	4.000	8.000	8.000	4.000	0.000	0.000
Chesterfield	Surface Water	Water Supply	70.026	59.015	72.121	70.204	78.017	83.477	79.575	85.302	75.488	75.055	70.074	64.804
Clarendon	Groundwater	Golf Course	9.651	4.176	6.652	6.152	7.652	10.804	16.108	17.008	9.351	15.168	5.652	3.576
Clarendon	Groundwater	Irrigation	3.962	4.636	9.336	20.031	31.086	74.751	54.011	27.419	19.627	32.733	52.431	52.658
Clarendon	Groundwater	Water Supply	55.632	50.210	57.311	57.793	62.026	73.167	77.831	65.685	61.825	58.538	50.722	49.775
Clarendon	Surface Water	Golf Course	2.675	5.600	9.750	9.000	11.750	16.250	21.250	22.600	13.300	17.850	6.750	4.500
Clarendon	Surface Water	Irrigation	1.076	1.385	1.846	3.081	5.237	5.895	5.601	8.335	4.950	2.979	2.101	2.922
Colleton	Groundwater	Golf Course	0.002	3.420	7.490	10.900	11.710	12.610	11.640	10.020	10.070	9.580	8.930	12.000
Colleton	Groundwater	Irrigation	0.200	27.200	113.300	153.400	255.900	274.000	279.500	268.400	234.500	223.300	63.200	0.200
Colleton	Groundwater	Other	2.790	1.370	4.490	4.220	7.410	7.270	7.810	6.590	6.840	6.980	4.220	5.850
Colleton	Groundwater	Water Supply	70.935	59.569	68.944	75.849	88.160	107.240	101.321	98.220	80.750	61.549	49.863	37.179
Colleton	Surface Water	Golf Course	8.730	9.270	10.980	13.860	15.480	24.660	30.100	24.350	15.300	11.070	9.450	7.650
Colleton	Surface Water	Irrigation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Colleton	Surface Water	Thermoelectric	129.686	46.673	53.827	55.560	153.533	175.370	176.040	160.553	72.036	26.298	35.046	64.422
Darlington	Groundwater	Golf Course	0.600	0.000	0.500	6.300	13.800	11.300	16.700	14.600	10.100	10.870	0.500	0.300
Darlington	Groundwater	Industrial	52.490	98.442	57.981	104.553	87.103	72.754	130.492	103.725	100.703	94.707	84.741	80.137
Darlington	Groundwater	Irrigation	-1.000	0.000	0.300	1.650	33.175	72.283	162.491	117.747	45.000	2.168	2.160	0.000
Darlington	Groundwater	Nuclear Power	30.836	27.939	30.914	29.979	31.105	30.259	31.836	31.087	29.803	30.796	29.805	30.858
Darlington	Groundwater	Other	0.000	0.000	0.000	0.000	0.000	0.000	7.560	0.000	0.000	0.000	0.000	0.000
Darlington	Groundwater	Water Supply	195.982	178.250	188.990	191.433	213.418	240.591	245.602	236.488	207.820	200.664	177.969	165.431
Darlington	Surface Water	Golf Course	0.100	0.688	1.967	7.537	11.753	13.609	17.435	17.025	9.663	12.744	4.111	2.517
Darlington	Surface Water	Industrial	418.132	408.201	324.919	447.565	374.036	407.861	449.008	564.089	397.013	414.013	448.325	499.956
Darlington	Surface Water	Irrigation	0.000	0.100	1.530	4.530	21.400	82.780	122.460	116.180	50.800	6.240	1.780	0.000
Darlington	Surface Water	Nuclear Power	25,461.000	23,029.000	25,502.000	22,433.000	24,619.000	25,077.000	25,811.000	25,913.000	24,607.000	25,913.000	24,952.000	25,008.000
Dillon	Groundwater	Irrigation	0.000	0.000	0.000	0.000	2.500	95.146	52.227	13.500	1.200	0.000	0.000	0.000
Dillon	Groundwater	Water Supply	132.137	114.324	125.807	119.705	132.924	140.583	138.848	138.155	128.329	128.923	123.583	126.790
Dorchester	Groundwater	Golf Course	0.000	0.000	1.000	2.500	3.000	3.000	3.000	2.500	1.500	1.000	1.000	0.000
Dorchester	Groundwater	Industrial	25.652	20.636	22.433	28.269	25.056	35.586	39.522	42.610	37.748	31.710	33.263	31.454
Dorchester	Groundwater	Water Supply	35.594	32.860	40.975	45.376	50.250	57.757	49.300	44.340	42.878	32.633	32.266	34.142
Dorchester	Surface Water	Golf Course	0.000	1.000	2.000	3.000	4.000	4.000	4.000	3.000	2.500	2.000	1.500	0.000
Dorchester	Surface Water	Industrial	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Edgefield	Groundwater	Golf Course	16.900	0.000	0.000	8.450	16.900	16.900	16.900	16.900	16.900	16.900	16.900	16.900
Edgefield	Groundwater	Irrigation	3.009	5.009	5.009	9.009	10.009	10.009	12.009	10.009	10.009	8.009	6.009	6.009
Edgefield	Surface Water	Hydroelectric	58,842.750	56,684.990	66,092.940	80,957.600	68,961.430	65,869.800	69,733.170	56,334.030	53,170.610	67,042.910	68,319.830	58,549.930
Edgefield	Surface Water	Irrigation	4.100	15.600	81.300	176.100	260.790	356.000	385.300	350.000	237.900	134.600	61.100	15.100
Edgefield	Surface Water	Water Supply	113.300	100.800	120.400	136.900	177.200	188.400	192.100	205.100	159.900	131.000	114.300	107.300
Fairfield	Groundwater	Water Supply	3.859	4.160	5.152	5.507	5.451	5.384	7.030	7.122	6.368	6.544	6.452	6.513
Fairfield	Surface Water	Hydroelectric	74,224.500	82,923.980	112,773.300	88,201.380	97,111.860	90,798.050	87,086.010	92,328.090	75,773.680	35,946.440	56,448.580	92,970.550

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Fairfield	Surface Water	Nuclear Power	25,377.800	22,921.900	25,377.800	14,562.700	8,460.700	24,559.200	25,377.800	25,377.380	24,559.200	25,377.800	24,559.200	25,377.800
Fairfield	Surface Water	Water Supply	53.098	40.643	42.394	47.814	53.770	60.521	68.808	64.389	60.467	47.848	54.001	43.281
Florence	Groundwater	Golf Course	2.632	1.495	3.337	3.392	7.432	12.306	7.926	8.412	5.266	4.620	5.388	5.255
Florence	Groundwater	Industrial	51.528	51.248	46.345	55.923	35.159	52.410	63.762	74.130	68.137	66.004	56.130	71.832
Florence	Groundwater	Irrigation	1.280	1.299	2.348	8.366	6.422	17.550	18.883	4.713	6.913	3.123	1.436	1.256
Florence	Groundwater	Water Supply	406.969	356.650	373.566	369.224	409.083	472.365	448.297	402.389	360.690	376.961	358.130	359.811
Florence	Surface Water	Golf Course	1.037	2.335	4.590	5.650	12.510	23.610	14.720	17.290	12.260	9.200	3.859	2.094
Florence	Surface Water	Industrial	624.662	417.297	541.147	541.748	560.362	530.364	543.354	536.958	499.994	496.803	505.625	475.708
Florence	Surface Water	Irrigation	0.000	0.000	0.000	20.000	40.000	35.000	18.000	18.000	20.000	18.000	6.000	6.000
Florence	Surface Water	Water Supply	75.410	74.690	83.700	73.760	75.510	78.820	85.620	115.300	115.750	92.250	87.180	86.950
Georgetown	Groundwater	Golf Course	0.000	0.000	0.000	7.000	16.072	20.672	18.572	13.072	7.072	1.072	0.000	0.000
Georgetown	Groundwater	Industrial	14.365	8.263	6.125	1.518	16.311	13.617	13.269	15.890	11.571	14.694	13.679	14.666
Georgetown	Groundwater	Irrigation	0.000	0.000	0.000	0.000	1.000	1.000	2.000	2.000	1.000	0.000	0.000	0.000
Georgetown	Groundwater	Water Supply	73.579	68.168	73.654	92.527	78.975	78.301	88.990	91.664	76.144	68.735	65.657	67.437
Georgetown	Surface Water	Golf Course	38.347	43.210	74.972	89.746	165.672	218.199	216.308	146.247	131.408	97.009	92.922	54.819
Georgetown	Surface Water	Industrial	1,269.060	1,140.300	1,005.800	1,174.560	1,274.280	1,283.270	1,362.030	1,319.110	1,219.330	1,295.770	1,252.190	1,220.020
Georgetown	Surface Water	Irrigation	2.405	3.082	5.482	8.676	12.190	18.615	20.506	18.092	11.034	6.688	3.853	2.427
Georgetown	Surface Water	Thermoelectric	369.960	324.180	181.486	295.125	287.640	330.840	483.346	255.593	224.414	138.779	255.060	31.448
Georgetown	Surface Water	Water Supply	40.340	34.327	39.221	38.181	41.459	48.549	46.499	43.654	41.999	46.152	38.432	39.274
Greenville	Groundwater	Golf Course	0.187	0.302	0.655	1.591	2.563	4.069	4.659	4.777	4.547	3.114	1.038	0.624
Greenville	Groundwater	Industrial	5.683	5.984	6.284	6.077	5.661	5.926	4.850	6.040	5.033	4.203	3.565	3.686
Greenville	Groundwater	Water Supply	1.615	1.260	1.790	2.215	3.476	4.405	4.708	5.616	4.435	4.266	3.486	2.040
Greenville	Surface Water	Golf Course	4.354	8.854	22.963	34.495	70.524	89.507	80.443	86.589	64.862	40.375	9.971	6.624
Greenville	Surface Water	Hydroelectric	5,928.000	9,253.000	11,382.000	16,665.000	10,028.000	5,118.000	4,706.000	2,247.000	1,366.000	3,393.000	3,524.000	8,267.000

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Greenville	Surface Water	Irrigation	0.000	0.000	1.000	4.000	13.000	31.160	51.600	24.000	11.000	5.000	1.000	0.000
Greenville	Surface Water	Water Supply	1,003.660	1,521.200	1,709.510	1,828.070	2,316.620	2,528.090	2,568.810	2,744.740	2,327.980	2,170.510	1,760.630	1,541.620
Greenwood	Groundwater	Golf Course	0.001	0.001	0.001	0.002	0.005	0.009	0.011	0.013	0.011	0.008	0.003	0.001
Greenwood	Groundwater	Industrial	0.077	0.077	0.155	0.232	0.387	0.512	0.697	0.697	0.619	0.464	0.077	0.077
Greenwood	Groundwater	Irrigation	0.040	0.040	0.100	0.150	0.200	0.200	0.150	0.100	0.100	0.040	0.040	0.040
Greenwood	Groundwater	Water Supply	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Greenwood	Surface Water	Golf Course	0.150	0.200	2.432	6.110	9.042	12.210	13.010	13.590	8.084	4.580	1.070	0.300
Greenwood	Surface Water	Hydroelectric	17,256.853	22,024.616	37,388.246	28,900.057	14,573.856	9,176.277	9,278.789	7,254.169	6,445.847	7,714.592	9,127.803	25,195.446
Greenwood	Surface Water	Industrial	0.157	0.002	0.153	0.163	0.063	0.258	0.002	0.169	0.167	0.236	0.003	0.141
Greenwood	Surface Water	Mining	0.047	0.140	0.259	0.792	0.792	1.375	1.728	1.980	1.512	0.540	0.432	0.180
Greenwood	Surface Water	Thermoelectric	6,558.000	5,952.000	9,707.000	9,515.000	7,973.000	2,951.000	2,213.000	16.000	1,404.000	748.000	3,232.000	8,584.000
Greenwood	Surface Water	Water Supply	291.379	259.728	284.776	297.272	348.228	358.930	366.896	381.070	331.589	309.283	278.583	273.602
Hampton	Groundwater	Golf Course	0.100	0.100	0.300	2.500	4.800	7.400	6.300	5.300	4.300	0.400	0.600	0.200
Hampton	Groundwater	Industrial	17.000	11.300	13.100	14.100	16.500	20.000	20.300	20.300	16.900	16.700	14.800	12.200
Hampton	Groundwater	Irrigation	11.061	62.568	57.189	126.858	292.087	505.237	599.460	298.391	148.026	99.081	48.553	17.679
Hampton	Groundwater	Water Supply	39.319	38.449	36.942	25.589	45.240	47.607	43.636	47.255	39.266	39.667	40.485	40.804
Hampton	Surface Water	Irrigation	0.000	15.200	16.300	7.000	2.300	4.200	4.000	3.700	3.500	10.280	8.125	0.000
Horry	Groundwater	Golf Course	3.588	8.999	41.637	74.821	102.645	140.809	124.330	89.217	71.020	66.292	43.011	20.582
Horry	Groundwater	Industrial	7.521	6.464	6.194	6.903	6.869	7.487	8.708	7.525	6.263	5.069	4.885	4.916
Horry	Groundwater	Irrigation	7.713	3.879	6.975	13.457	20.738	32.707	20.935	13.192	10.298	7.386	15.332	12.702
Horry	Groundwater	Other	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.047	0.024	0.025	0.011	0.015
Horry	Groundwater	Water Supply	88.615	100.944	98.189	113.620	131.888	159.370	172.164	119.160	110.762	98.404	99.639	85.338
Horry	Surface Water	Golf Course	27.812	64.273	183.926	287.933	501.622	574.325	510.330	357.314	309.372	252.812	215.404	80.733
Horry	Surface Water	Industrial	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Horry	Surface Water	Irrigation	1.116	1.502	324.969	7.333	11.577	21.618	16.001	11.663	7.425	4.764	4.697	5.885
Horry	Surface Water	Mining	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Horry	Surface Water	Thermoelectric	2,240.400	1,352.870	1,295.800	1,450.780	1,810.100	2,705.800	3,887.400	2,379.000	1,237.100	1,295.800	1,254.000	1,253.900
Horry	Surface Water	Water Supply	847.648	827.336	986.495	1,089.891	1,222.903	1,504.772	1,644.957	1,306.070	1,136.367	983.658	904.228	884.821
Jasper	Groundwater	Aquaculture	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jasper	Groundwater	Golf Course	0.000	0.000	0.000	7.947	7.370	7.353	3.711	5.103	6.415	0.000	0.000	0.000
Jasper	Groundwater	Irrigation	0.000	1.545	6.301	27.551	79.444	105.586	72.165	64.267	62.576	24.982	13.532	0.019
Jasper	Groundwater	Water Supply	27.886	24.233	26.573	29.590	35.288	32.892	34.691	32.827	28.940	29.029	26.512	25.250
Jasper	Surface Water	Golf Course	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jasper	Surface Water	Irrigation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Kershaw	Groundwater	Golf Course	0.000	0.000	3.000	4.000	4.000	6.000	7.000	2.000	4.000	4.000	4.000	2.000
Kershaw	Groundwater	Industrial	32.530	28.034	32.552	27.976	30.291	28.650	31.517	36.522	38.970	39.594	39.330	35.125
Kershaw	Groundwater	Water Supply	54.887	50.452	55.829	59.782	66.474	80.723	81.664	71.989	67.147	68.099	54.457	50.718
Kershaw	Surface Water	Golf Course	0.040	0.020	3.040	4.050	5.100	8.200	10.000	6.000	5.000	4.020	4.001	2.001
Kershaw	Surface Water	Hydroelectric	51,033.000	48,704.000	136,221.000	86,031.000	594,454.000	35,227.000	42,888.000	48,746.000	40,872.000	33,656.000	38,065.000	100,947.000
Kershaw	Surface Water	Industrial	61.570	52.060	55.876	61.251	61.989	62.114	60.813	61.727	58.672	51.716	53.472	57.704
Kershaw	Surface Water	Irrigation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Kershaw	Surface Water	Mining	28.632	38.725	52.410	40.782	48.826	56.401	29.241	30.165	34.212	26.684	21.469	23.652
Kershaw	Surface Water	Water Supply	121.462	105.043	125.074	128.388	146.906	163.075	166.963	158.738	144.239	129.800	115.579	116.116
Lancaster	Groundwater	Golf Course	0.000	0.290	0.085	0.302	0.856	1.660	1.355	0.345	0.640	0.416	0.000	0.000
Lancaster	Surface Water	Golf Course	0.000	0.000	0.000	0.500	0.400	1.600	0.800	0.000	0.750	0.000	0.000	0.000
Lancaster	Surface Water	Hydroelectric	48,475.000	57,550.000	134,680.000	83,488.000	59,355.000	39,435.000	43,462.000	48,575.000	43,319.000	35,121.000	34,697.000	109,203.000
Lancaster	Surface Water	Industrial	0.558	0.504	0.558	0.540	0.558	0.540	0.558	0.558	0.540	0.558	0.540	0.558

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Lancaster	Surface Water	Water Supply	438.000	351.000	390.000	414.000	500.000	608.000	607.000	570.000	517.000	527.000	432.000	411.000
Laurens	Surface Water	Golf Course	0.900	3.100	7.330	9.320	14.590	16.310	14.540	14.970	8.280	5.400	1.400	0.700
Laurens	Surface Water	Hydroelectric	8,532.000	10,824.000	16,526.000	16,954.000	6,397.000	2,456.000	1,797.000	37.000	9,420.000	1,501.000	3,756.000	12,008.000
Laurens	Surface Water	Water Supply	146.655	120.919	132.306	131.146	143.168	149.901	152.386	173.619	165.687	149.391	128.391	120.728
Lee	Groundwater	Irrigation	0.000	0.000	0.000	0.000	44.646	158.729	125.737	69.807	20.833	0.000	0.000	0.000
Lee	Groundwater	Water Supply	42.275	39.405	48.033	44.330	50.045	47.347	49.468	49.176	46.250	45.435	45.239	47.021
Lee	Surface Water	Irrigation	0.000	0.000	0.000	0.000	0.000	5.000	3.000	3.000	0.000	0.000	0.000	0.000
Lexington	Groundwater	Golf Course	1.100	1.000	1.300	1.800	3.600	4.100	4.650	5.000	2.950	2.350	1.070	1.000
Lexington	Groundwater	Industrial	28.941	28.085	26.712	26.265	28.580	34.637	24.575	25.282	37.582	28.559	26.804	24.654
Lexington	Groundwater	Irrigation	22.955	20.089	65.726	88.929	296.118	691.770	639.833	504.004	443.784	236.769	122.360	67.229
Lexington	Groundwater	Mining	1.300	37.960	1.500	33.100	2.000	23.830	2.400	67.800	2.200	67.840	1.900	12.420
Lexington	Groundwater	Water Supply	40.334	32.723	35.530	41.225	47.500	49.309	52.847	50.102	45.386	39.973	38.022	36.098
Lexington	Surface Water	Golf Course	0.215	5.300	6.950	17.300	28.000	35.800	44.250	42.100	28.100	20.400	9.750	1.780
Lexington	Surface Water	Hydroelectric	20,044.720	39.350	23,899.920	26,899.920	4,675.630	2,179.030	2,746.180	137.780	1,755.320	826.230	877.660	1,999.060
Lexington	Surface Water	Industrial	898.775	843.240	747.800	843.667	1,057.464	909.272	1,075.146	1,267.296	1,231.318	1,061.527	791.187	720.297
Lexington	Surface Water	Irrigation	8.977	4.814	32.327	25.983	64.541	148.258	141.938	140.424	125.633	66.602	65.605	49.823
Lexington	Surface Water	Mining	16.210	17.490	20.560	18.320	17.700	20.150	20.610	20.950	17.600	16.160	17.050	12.830
Lexington	Surface Water	Thermoelectric	5,175.260	4,674.430	4,552.520	2,270.520	5,080.410	4,565.720	4,872.540	5,175.260	3,795.920	3,771.020	4,630.270	4,297.860
Lexington	Surface Water	Water Supply	416.967	389.694	439.225	493.087	600.749	673.165	681.796	679.626	588.569	511.963	445.409	432.426
Marion	Groundwater	Golf Course	0.000	0.000	0.000	0.000	0.000	1.700	3.200	4.000	0.000	0.000	0.000	0.000
Marion	Groundwater	Irrigation	0.000	0.000	15.883	30.083	31.221	31.225	28.425	16.025	0.583	0.583	0.540	0.540
Marion	Groundwater	Water Supply	97.329	90.298	102.818	93.193	101.260	105.756	107.877	99.895	90.441	93.733	90.060	91.766
Marion	Surface Water	Golf Course	0.200	0.300	0.400	2.500	2.500	4.200	6.100	7.600	2.100	2.000	1.500	0.200
Marion	Surface Water	Irrigation	0.000	0.000	0.000	0.600	0.600	0.000	2.000	0.000	0.400	0.400	0.000	0.000

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Marlboro	Groundwater	Industrial	9.700	10.200	7.500	11.300	15.500	13.800	10.500	14.200	11.900	14.100	7.700	7.300
Marlboro	Groundwater	Irrigation	0.900	2.529	5.914	10.424	37.878	53.249	51.969	40.721	10.431	0.900	0.200	0.300
Marlboro	Groundwater	Water Supply	89.967	78.449	87.292	88.069	91.219	100.248	97.946	95.976	93.968	90.802	90.019	86.306
Marlboro	Surface Water	Golf Course	0.025	0.030	0.000	0.250	0.200	0.300	0.300	0.400	0.080	0.028	0.000	0.000
Marlboro	Surface Water	Industrial	516.000	438.000	494.000	485.000	506.000	491.000	536.000	536.000	449.000	516.000	419.000	476.000
Marlboro	Surface Water	Irrigation	0.000	0.000	16.856	23.756	37.202	59.129	50.199	13.646	4.600	0.000	0.000	0.000
Marlboro	Surface Water	Water Supply	24.660	23.890	25.550	24.060	26.950	30.390	28.610	31.580	27.880	26.650	23.890	24.450
McCormick	Surface Water	Golf Course	0.342	0.811	0.558	4.157	13.787	16.625	19.874	32.152	19.579	4.353	0.950	0.260
McCormick	Surface Water	Water Supply	36.091	29.491	28.620	31.482	38.337	40.214	42.831	47.466	41.445	32.092	27.154	28.332
Newberry	Groundwater	Irrigation	5.000	5.000	5.000	5.050	6.000	6.200	10.300	11.000	8.850	6.600	5.300	5.000
Newberry	Groundwater	Water Supply	1.388	0.976	1.122	1.284	0.783	0.850	0.615	1.026	1.430	1.066	1.128	1.257
Newberry	Surface Water	Golf Course	0.000	0.000	0.000	0.020	0.500	1.800	4.500	4.500	3.000	0.050	0.000	0.000
Newberry	Surface Water	Irrigation	2.140	7.140	17.220	17.320	18.888	25.770	26.373	23.482	19.551	17.320	5.220	2.140
Newberry	Surface Water	Water Supply	177.101	155.568	174.854	174.861	195.130	206.791	212.409	215.672	194.944	188.145	178.538	170.434
Oconee	Groundwater	Water Supply	1.820	1.730	1.900	2.110	2.430	2.650	2.440	2.780	2.490	2.100	1.950	2.050
Oconee	Surface Water	Golf Course	0.878	3.676	4.057	7.505	22.550	24.520	30.110	29.580	18.780	8.703	3.283	0.881
Oconee	Surface Water	Hydroelectric	930.000	1,648.000	2,180.000	2,161.000	801.000	307.000	153.000	19.000	49.000	128.000	339.000	1,253.000
Oconee	Surface Water	Industrial	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020
Oconee	Surface Water	Irrigation	2.100	2.100	3.600	6.800	6.800	10.900	12.400	12.150	8.300	7.050	4.600	2.100
Oconee	Surface Water	Nuclear Power	173,271.000	132,556.000	141,228.000	148,038.000	183,722.000	217,504.000	262,595.000	262,618.000	216,912.000	167,476.000	179,242.000	160,887.000
Oconee	Surface Water	Water Supply	272.687	239.352	265.762	274.219	335.995	363.090	388.024	408.793	342.615	324.398	282.432	275.045
Orangeburg	Groundwater	Golf Course	1.300	2.000	4.478	7.863	14.394	16.951	17.043	14.762	11.648	8.000	5.718	1.379
Orangeburg	Groundwater	Industrial	7.964	9.005	9.449	10.474	11.148	10.502	11.521	7.953	11.576	11.304	13.113	13.065

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Orangeburg	Groundwater	Irrigation	23.376	35.349	83.633	196.128	394.014	574.224	578.635	499.818	380.362	252.251	104.332	28.570
Orangeburg	Groundwater	Mining	699.370	271.400	256.970	210.140	290.040	231.400	252.240	258.590	222.320	252.730	295.870	254.380
Orangeburg	Groundwater	Thermoelectric	126.524	63.578	4.653	121.716	148.191	153.102	158.435	150.699	147.195	129.728	119.221	122.514
Orangeburg	Groundwater	Water Supply	44.043	35.189	35.698	39.016	41.513	45.775	43.871	52.879	47.860	41.672	39.242	38.891
Orangeburg	Surface Water	Golf Course	5.744	6.325	7.362	10.229	9.933	15.895	15.465	17.146	16.655	9.402	5.041	4.811
Orangeburg	Surface Water	Industrial	15.350	14.060	11.620	11.370	12.500	14.540	15.470	14.190	12.410	8.430	4.330	5.480
Orangeburg	Surface Water	Irrigation	52.520	61.780	33.250	184.347	285.489	486.920	523.787	443.821	216.675	43.504	19.030	17.190
Orangeburg	Surface Water	Thermoelectric	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Orangeburg	Surface Water	Water Supply	213.349	181.287	219.860	208.072	239.672	297.994	352.465	299.666	297.990	219.453	252.376	223.458
Pickens	Surface Water	Golf Course	5.674	7.602	13.014	21.046	48.855	57.210	53.536	67.942	31.769	24.839	7.265	3.979
Pickens	Surface Water	Hydroelectric	108,278.000	75,830.000	81,870.000	110,026.000	160,823.000	311,200.000	399,190.000	348,401.000	253,955.000	150,142.000	124,713.000	135,336.000
Pickens	Surface Water	Industrial	42.170	41.775	58.471	168.820	257.227	386.445	371.603	291.653	276.476	146.048	48.036	29.441
Pickens	Surface Water	Water Supply	288.051	258.870	308.337	316.714	424.810	409.175	423.382	436.966	348.986	334.237	298.594	280.780
Richland	Groundwater	Aquaculture	0.000	0.000	3.100	5.800	1.400	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Richland	Groundwater	Golf Course	0.105	0.114	1.801	6.425	10.655	13.462	16.824	13.497	10.316	8.365	3.035	0.790
Richland	Groundwater	Industrial	65.072	55.093	55.683	54.001	57.538	55.738	58.338	60.991	59.554	55.584	57.933	63.158
Richland	Groundwater	Irrigation	7.236	0.000	0.000	1.268	3.120	3.130	3.120	3.132	5.802	8.750	6.012	4.257
Richland	Groundwater	Mining	39.600	36.720	10.080	8.820	5.880	6.720	5.220	4.440	39.360	6.360	5.580	4.560
Richland	Groundwater	Water Supply	27.058	23.448	20.922	22.717	23.502	19.161	28.325	26.336	25.783	23.797	18.996	19.654
Richland	Surface Water	Aquaculture	1.000	1.000	3.000	6.800	12.600	11.500	10.500	10.500	9.000	2.000	1.000	1.000
Richland	Surface Water	Golf Course	1.369	7.280	24.796	41.550	69.791	77.774	88.890	82.643	74.907	47.003	17.758	10.979
Richland	Surface Water	Hydroelectric	8,833.520	20,611.560	35,904.000	37,768.060	21,074.600	3,858.730	320.590	225.590	6,078.980	5,096.780	12,894.100	34,835.430
Richland	Surface Water	Industrial	847.525	778.634	797.870	835.045	882.386	935.738	991.030	1,042.732	939.578	848.372	876.232	907.495
Richland	Surface Water	Irrigation	0.000	0.000	0.000	0.170	0.150	0.250	0.120	0.100	0.200	0.100	0.000	0.000

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Richland	Surface Water	Thermoelectric	371.560	338.300	382.910	285.350	330.200	386.530	433.950	403.050	409.000	284.040	314.530	331.330
Richland	Surface Water	Water Supply	1,769.020	1,598.150	1,757.560	1,882.120	2,150.060	2,316.930	2,525.460	2,404.890	2,173.060	1,966.030	1,718.200	1,612.020
Saluda	Groundwater	Water Supply	0.000	1.105	0.431	1.379	1.338	1.167	0.882	0.409	0.024	1.032	0.905	0.487
Saluda	Surface Water	Irrigation	2.000	2.000	50.000	114.600	244.500	335.200	337.400	227.600	131.700	37.800	0.000	0.000
Spartanburg	Groundwater	Golf Course	0.571	0.548	0.941	1.341	2.475	6.629	6.546	6.930	2.361	2.213	1.683	0.472
Spartanburg	Groundwater	Industrial	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spartanburg	Groundwater	Water Supply	2.400	1.700	1.800	2.100	2.500	3.200	2.500	3.100	2.600	2.400	2.100	2.000
Spartanburg	Surface Water	Aquaculture	2.976	2.688	2.976	2.880	2.976	2.880	2.976	2.976	2.880	2.976	2.880	2.976
Spartanburg	Surface Water	Golf Course	1.672	3.173	9.425	19.591	35.620	42.890	46.716	55.683	33.599	26.405	11.589	2.395
Spartanburg	Surface Water	Hydroelectric	0.881	4.729	7.827	6.843	3.185	1.949	0.304	0.704	1.406	139.193	26.283	5.943
Spartanburg	Surface Water	Irrigation	0.300	1.000	1.300	1.600	3.100	3.000	3.600	4.000	4.000	3.500	3.500	3.000
Spartanburg	Surface Water	Mining	2.906	3.107	4.117	3.171	2.800	2.800	6.736	4.574	3.804	1.440	0.960	0.400
Spartanburg	Surface Water	Water Supply	998.791	865.450	951.516	986.475	1,175.429	1,293.616	1,419.795	1,376.748	1,238.378	1,135.155	980.103	918.071
Sumter	Groundwater	Golf Course	1.500	1.500	8.250	4.650	7.510	13.970	11.830	8.100	7.600	3.800	2.900	1.500
Sumter	Groundwater	Industrial	10.760	13.490	13.462	12.776	11.626	8.512	10.866	10.850	15.025	11.984	10.999	11.355
Sumter	Groundwater	Irrigation	7.430	7.430	42.210	31.602	138.387	323.827	193.024	155.748	85.304	13.046	7.286	0.000
Sumter	Groundwater	Water Supply	397.731	336.606	351.233	357.837	385.325	430.240	409.215	428.600	381.210	366.467	342.632	341.592
Sumter	Surface Water	Golf Course	0.804	0.692	4.914	11.107	19.208	27.921	24.761	24.041	15.168	10.234	3.087	1.448
Sumter	Surface Water	Irrigation	0.000	0.000	32.250	37.250	69.550	105.250	110.450	76.250	25.350	6.800	0.000	0.000
Union	Groundwater	Industrial	0.199	0.180	0.216	0.218	0.221	0.196	0.250	0.246	0.254	0.238	0.233	0.247
Union	Surface Water	Golf Course	0.000	0.000	0.900	0.900	0.900	1.000	1.000	1.000	0.900	0.000	0.000	0.000
Union	Surface Water	Hydroelectric	20,009.247	25,251.632	40,597.357	39,567.701	24,245.026	13,106.992	5,295.683	772.309	7,934.544	2,304.456	690.223	2,179.132
Union	Surface Water	Industrial	28.300	25.000	26.600	24.900	28.300	30.000	20.000	31.600	26.600	28.300	28.300	21.700

County	Source Type	Use Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Union	Surface Water	Water Supply	83.230	70.610	78.050	79.020	89.990	105.790	110.870	112.130	99.870	95.140	86.160	82.852
Williamsburg	Groundwater	Industrial	29.700	25.200	28.600	23.700	34.500	34.700	25.200	24.300	35.200	22.959	19.340	24.762
Williamsburg	Groundwater	Irrigation	0.000	0.000	0.000	0.000	1.200	2.000	3.400	1.500	1.200	0.000	0.000	0.000
Williamsburg	Groundwater	Water Supply	68.514	60.447	69.292	67.895	67.533	78.981	80.697	74.909	70.108	73.299	79.023	64.873
Williamsburg	Surface Water	Golf Course	0.576	0.576	1.152	1.152	2.304	4.608	4.608	4.608	1.152	4.608	1.152	0.576
Williamsburg	Surface Water	Irrigation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
York	Groundwater	Golf Course	1.250	3.200	3.650	14.770	22.750	27.400	24.600	27.000	20.650	6.600	5.200	2.600
York	Groundwater	Industrial	0.221	0.269	0.234	0.265	0.195	0.283	0.097	0.361	0.650	0.174	0.227	0.328
York	Groundwater	Mining	6.180	6.060	11.100	10.020	9.840	10.980	12.420	5.580	7.560	11.160	4.440	7.140
York	Groundwater	Water Supply	7.417	4.246	1.371	0.653	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
York	Surface Water	Golf Course	2.312	4.837	6.100	10.131	19.683	27.573	27.964	27.338	21.007	9.094	7.701	2.657
York	Surface Water	Hydroelectric	45,715.000	43,816.000	104,365.000	61,009.000	42,312.000	31,183.000	33,624.000	66,200.000	26,795.000	21,988.000	21,581.000	85,828.000
York	Surface Water	Industrial	1,045.960	947.480	1,004.960	1,003.800	1,001.960	999.800	1,082.960	1,076.960	978.800	978.960	933.800	949.960
York	Surface Water	Irrigation	0.000	0.000	0.170	0.150	0.610	0.510	0.530	0.470	0.230	0.330	0.140	0.160
York	Surface Water	Nuclear Power	3,702.000	3,325.000	2,966.000	3,094.000	3,336.000	4,160.000	5,203.000	5,251.000	4,056.000	2,997.000	3,164.000	3,577.000
York	Surface Water	Other	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
York	Surface Water	Water Supply	446.674	385.927	432.840	439.106	508.026	577.908	575.774	557.554	502.356	507.229	424.166	422.247